STORM Video Management Software User’s Manual

Version 1.0

Table of Contents

Welcome

Thank you for using our STORM Video Management Software!
This user’s manual is designed to be a reference tool for operating your system.
Here you can find all the details about the STORM Video Management Software.

1 Overview and Environment

1.1 Overview

STORM VMS is an abbreviation for STORM Video Management Software.
The software is used to manage a small number of security surveillance devices. It is shipped with the device and does not support products from other manufacturers. It has the following features:

- Allows you to visualize real-time video from multiple camera channels;
- Allows playback of video files from multiple cameras;
- Supports multiple arming schedules to enable automatic protection;
- Supports E-Map: you can clearly view and manage all device locations.
- Configures the video wall and can output video at the same time.
- Supports extension applications: can send out alarm information to external programs.

1.2 Performance

- The system supports a maximum of 36 channels at CIF resolution.
- Each storage server supports a maximum video backup of 32 channels.

1.3 Environments

Item	Requirements
OS	Windows 7/ Windows 8/ Mac (STORM VMS Mac version)
CPU	2.4GHz or higher
Display Card	Independent card; supports DirectX 8.0c or higher
Memory	1GB or higher
Resolution	1024 × 768 or higher

2 Installation and Upgrade

2.1 Installation

- Double click on “General_STORM_VMS_Eng_IS_VX.XX.X.exe” to begin the installation. See Figure 2.

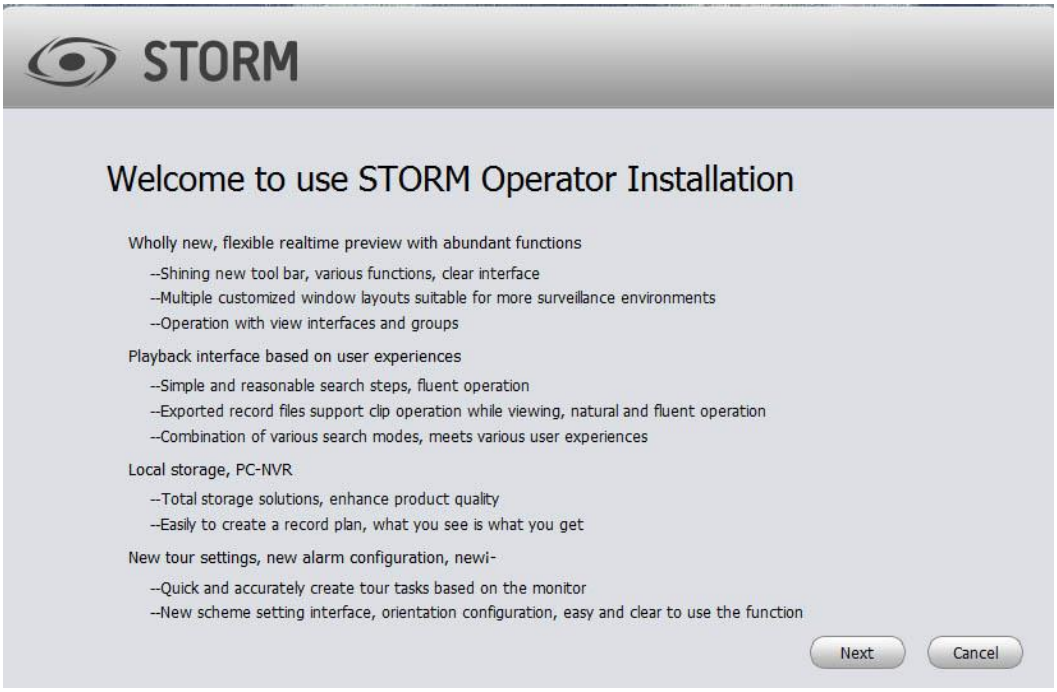

Figure 2

- Select the installation language from the dropdown list and then click the OK button to go to the Welcome interface.

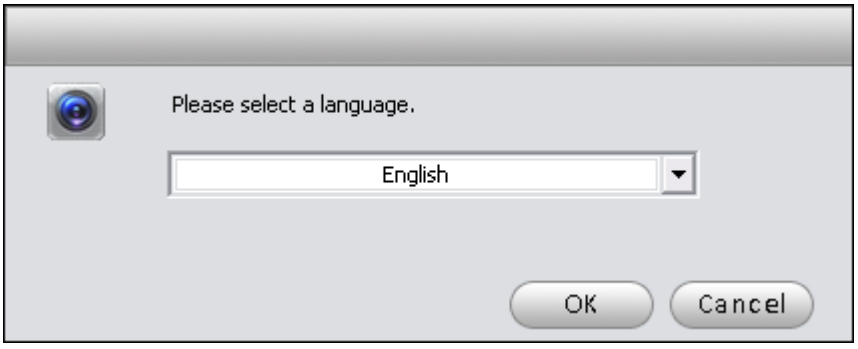

Figure 2-1

- Click the Next button and you will see an interface as the one shown in Figure 2-1. Here you can view the End User License Agreement.

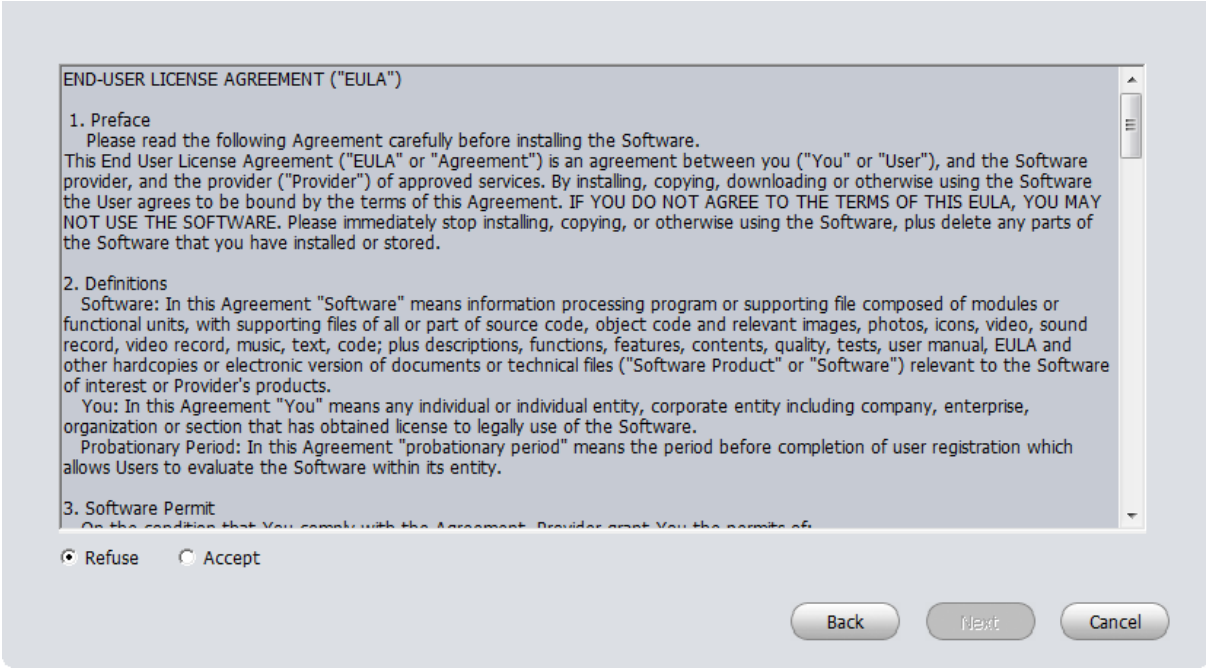

Figure 2-1

- Please check the Accept item, then click the Next button to continue. The system will display a module installation dialogue box. See Figure 2-2.

Figure 2-2

- Check the STORM VMS box and then click the Next button. An interface will appear asking you to specify the Destination Folder. See Figure 2-3.

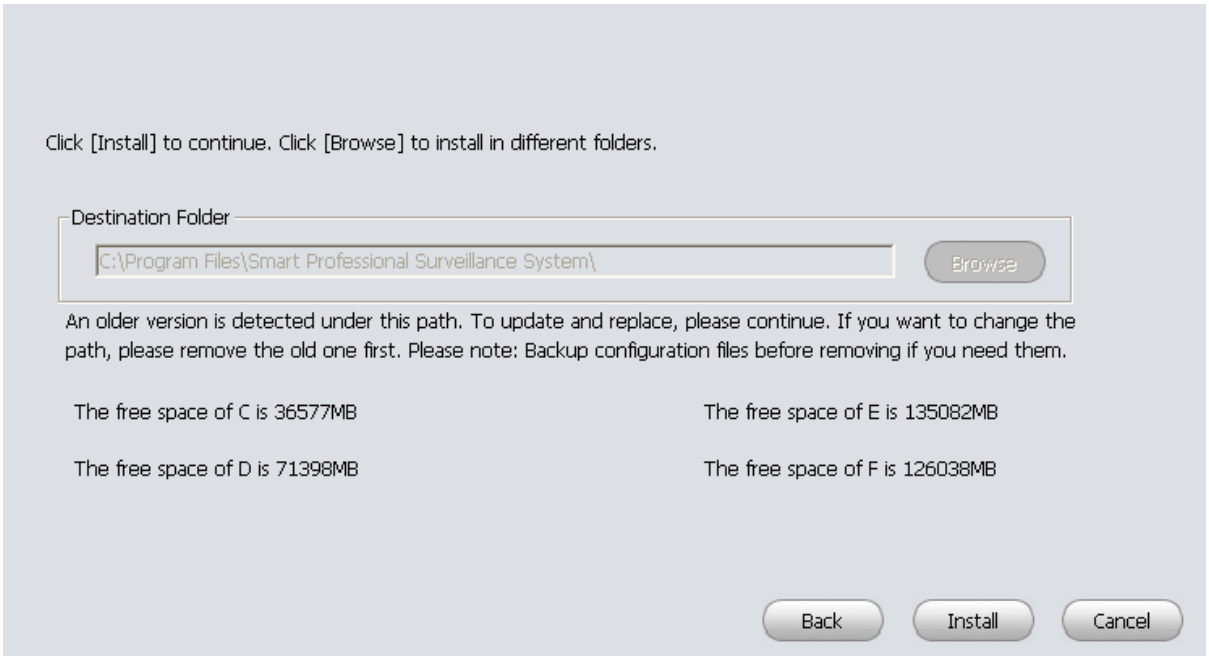

Figure 2-3

- Once you have you selected the Destination Folder, click the Next button and the system will begin the installation. The interface will be as shown in Figure 2-4.

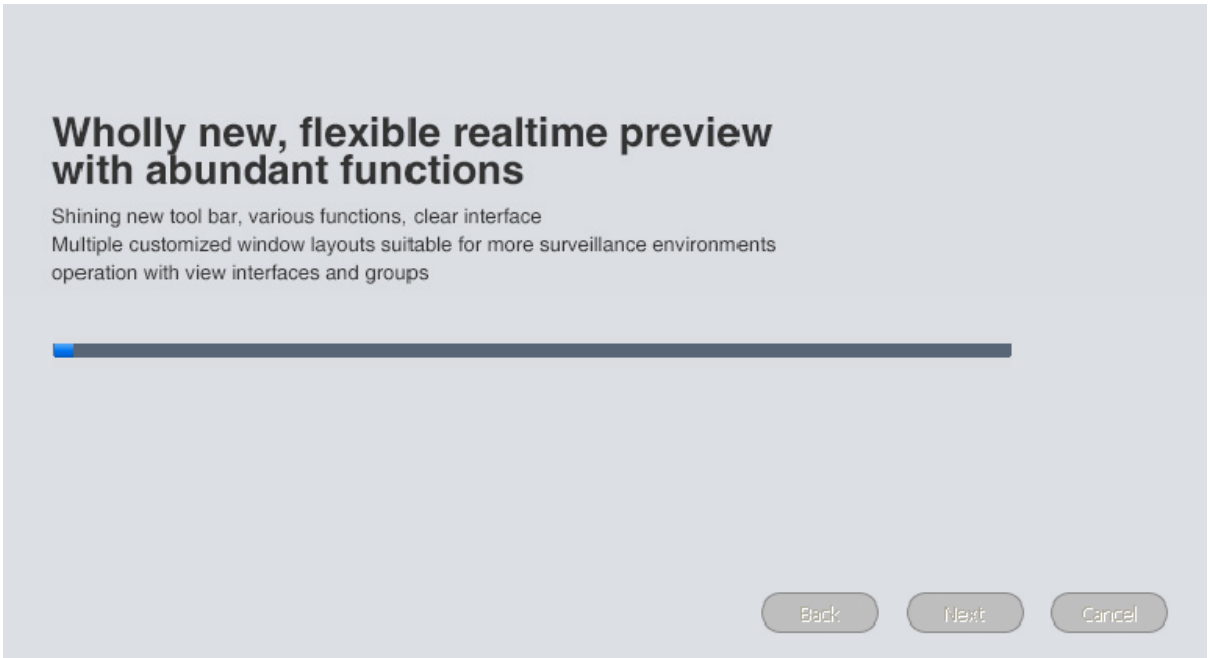

Figure 2-4

- During the installation process, you can click the Cancel button anytime to exit. Once the installation completed, an interface as the one shown below will appear. See Figure 2-5.

Figure 2-5

- Click the Finish button to complete the installation.

2.2 Uninstallation

1) Follow these steps: Start -> All programs -> STORM VMS. Select the Uninstall STORM VMS box. The system will display the following dialogue box. See Figure 2-6.

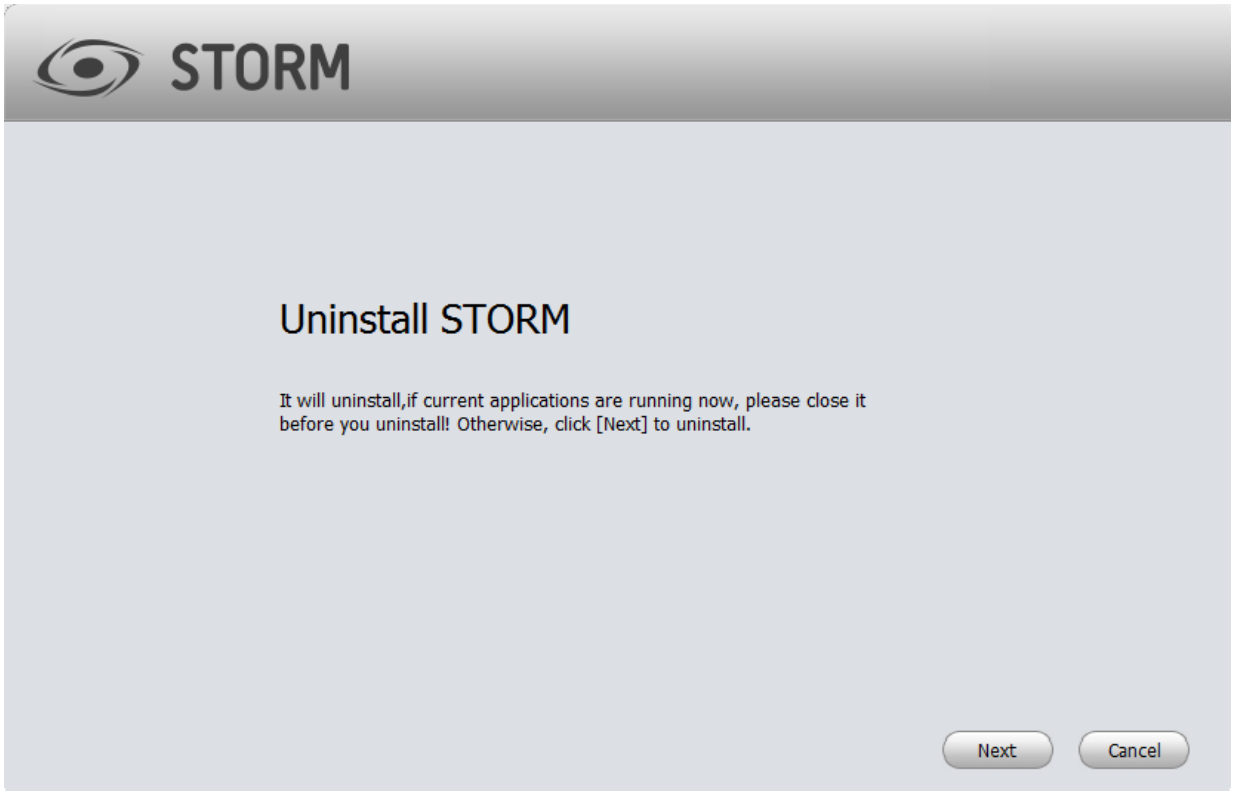

Figure 2-6

2) Click the Next button and you will see the interface shown in Figure 2-7.
3) Check the box here to remove the STORM VMS. You can also check the box to remove the PC-NVR. Click the Uninstall button to proceed.

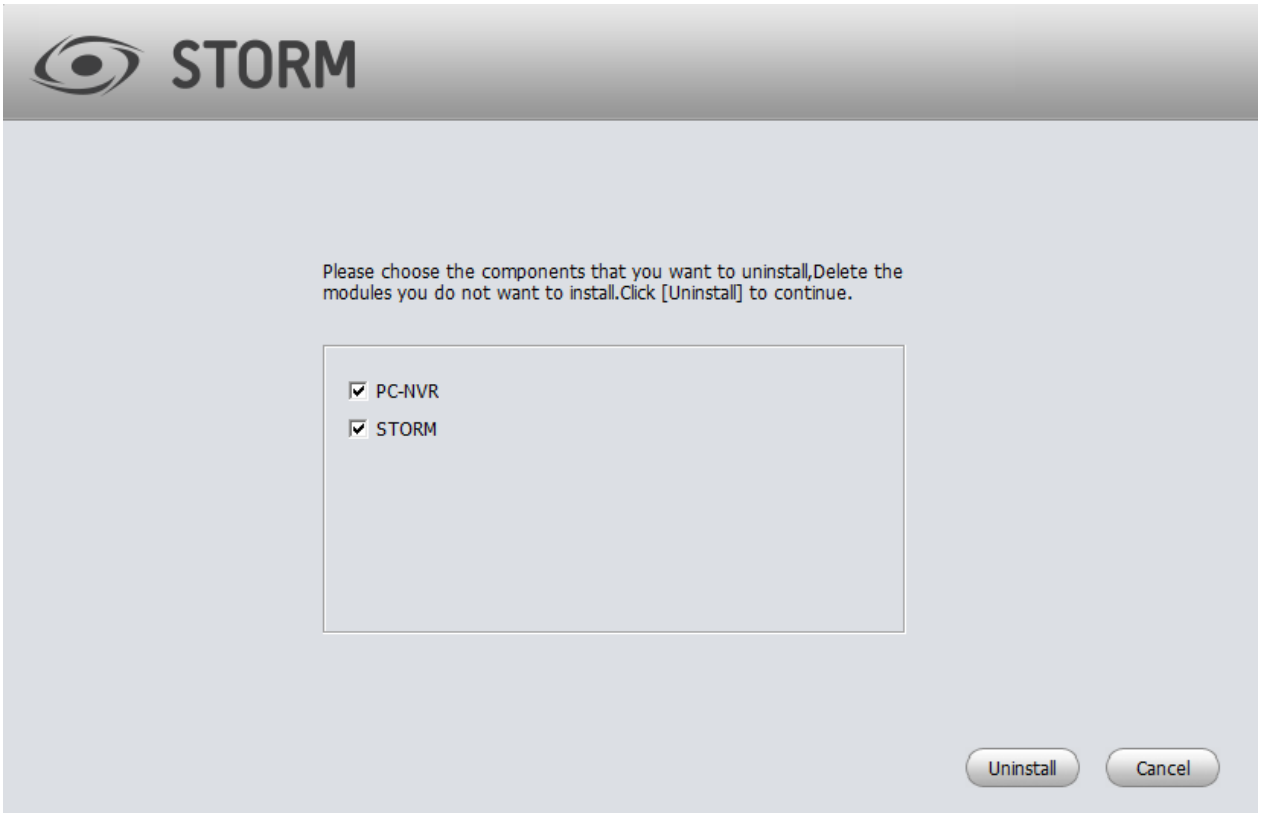

Figure 2-7

3 Setting

Double click the STORM VMS icon 

and the login interface will be displayed.

3.1 Login Interface

The Login interface is shown as in Figure 3-1.

- User Name: input the user account.
- Password: please input the corresponding password in order to log in.
- OK: click this button, the system will then verify the account and you will be able to enter the software main interface.
- Cancel: click on this button to exit the login interface.

Note:

- If it is your first time to run the STORM VMS software, the default user name is **admin** and its password is also **admin**. Admin is a “super” administrator and cannot be removed. It can add, modify or delete other users.
- For security reasons, please modify the password after your first login.
- You can ask the system to remember your password, so that when you can login the next time, you will not need to input your user name and password. **Do not** enable this function on a public computer.

Figure 3-1

3.2 Main Interface

Click the Login button. The system will verify the user name and password, and then will move to the main interface. See Figure 3-2.

Figure 3-2

Please refer to the following table for added information.

SN	Parameter	Function
1	Menu	Here you will find the main page icons, as well as the icons of the current open functions. Click the Add button to add a function icon to the top of the panel.
2	Basic	It includes Liveview, Playback, Alarm Manager and Login.
3	Extension	It includes Video Wall, E-Map and Display.
4	Settings	It includes Device Manager, Signals Manager, Alarm Setup, Tour & Task, PC-NVR, Video Wall Management, Account, General Setup, etc.
5	STORM VMS basic information	It displays current time, user information and login time.

3.3 General

If it is your first time connecting to the STORM VMS, you will need to set the system parameters. This includes the network performance, the length of time of the saved connections, the STORM VMS login information, the backup path of the images and recordings. Please follow the steps listed below.

Click this button  to go to the general interface. See Figure 3-3.

3.3.1 Basic

Here you can define the network capability, the language, the time and etc.

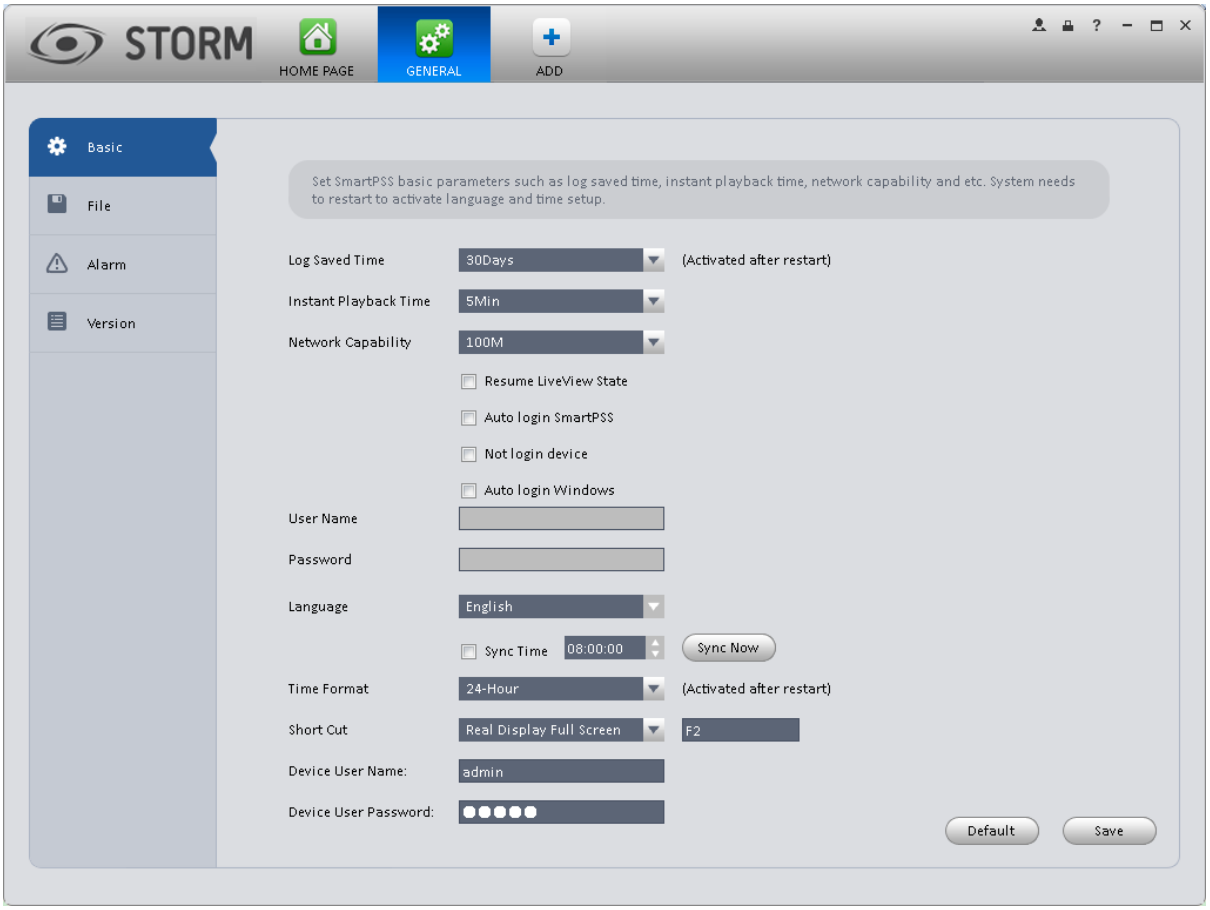

Figure 3-3

Please refer to the following table for added information.

Item	Function
Log Saved Time	Here you can set the length of time during which the logs will be saved. The system will automatically overwrite old files once it reaches the period you set here.
Instant Play Time	It is to set the time for the instant playback.
Network capability	Allows you to set the network function to: “Low”, “10M”, ”100M” or ”1000M”.
Resume Previous State	The system will restore the previous Liveview status once it has restarted.
Auto Login STORM VMS	Checking the box here allows you to log into STORM VMS directly without inputting the user name and password.
Auto Login Windows	Check the box here, then input the user name and the password. Once the computer has rebooted, you can go to the Windows OS.

Item	Function
Not Login Device	When the program starts up, it can automatically log into the current device or not. If you select this option, the system will automatically log into the current device upon the next reboot.
Language	The language of the software.
Sync Time	Checking the box here enables the time synchronization function. You can then input the synchronization time. STORM VMS will then automatically synchronize its time with that of the PC at the time you specified. Click the Sync Now button to begin the synchronization.
Time Format	The time format of the system can be 12H or 24H.
Short Cut	Allows you to set the Preview Window, Record Playback, Alarm Management, E-Map, etc.
Device User Name	To set the device's login username.
Device User Password	To set the device's login password.

3.3.2 File Path

The file configuration interface is represented in the Figure 3-4.
In this interface you can set the default saving paths for the snapshot picture and the recording file.
Configuration file path: it allows to import or export the configuration file. If you change the path to the D disk, you can export the current software user information to the D disk. If the current software is installed on the D disk, you can import the user information to the current software.

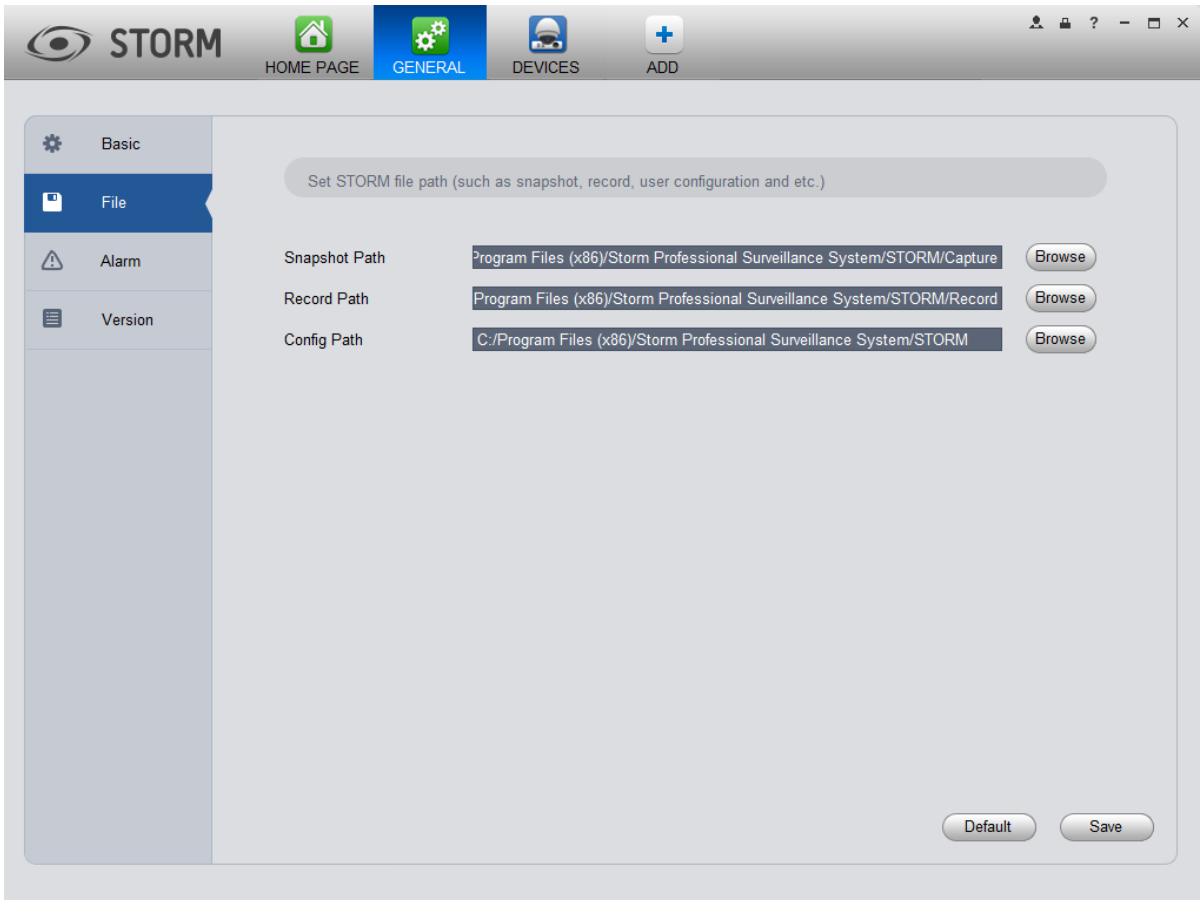

Figure 3-4

3.3.3 Alarm Prompts

This allows you to set the alarm prompt audio. The interface is shown as below. See Figure 3-5.
Please select the corresponding prompt audio for the specified alarm type.
Check the box at the bottom of the interface to enable the E-Map function. The E-Map can flash when the corresponding alarm occurs.

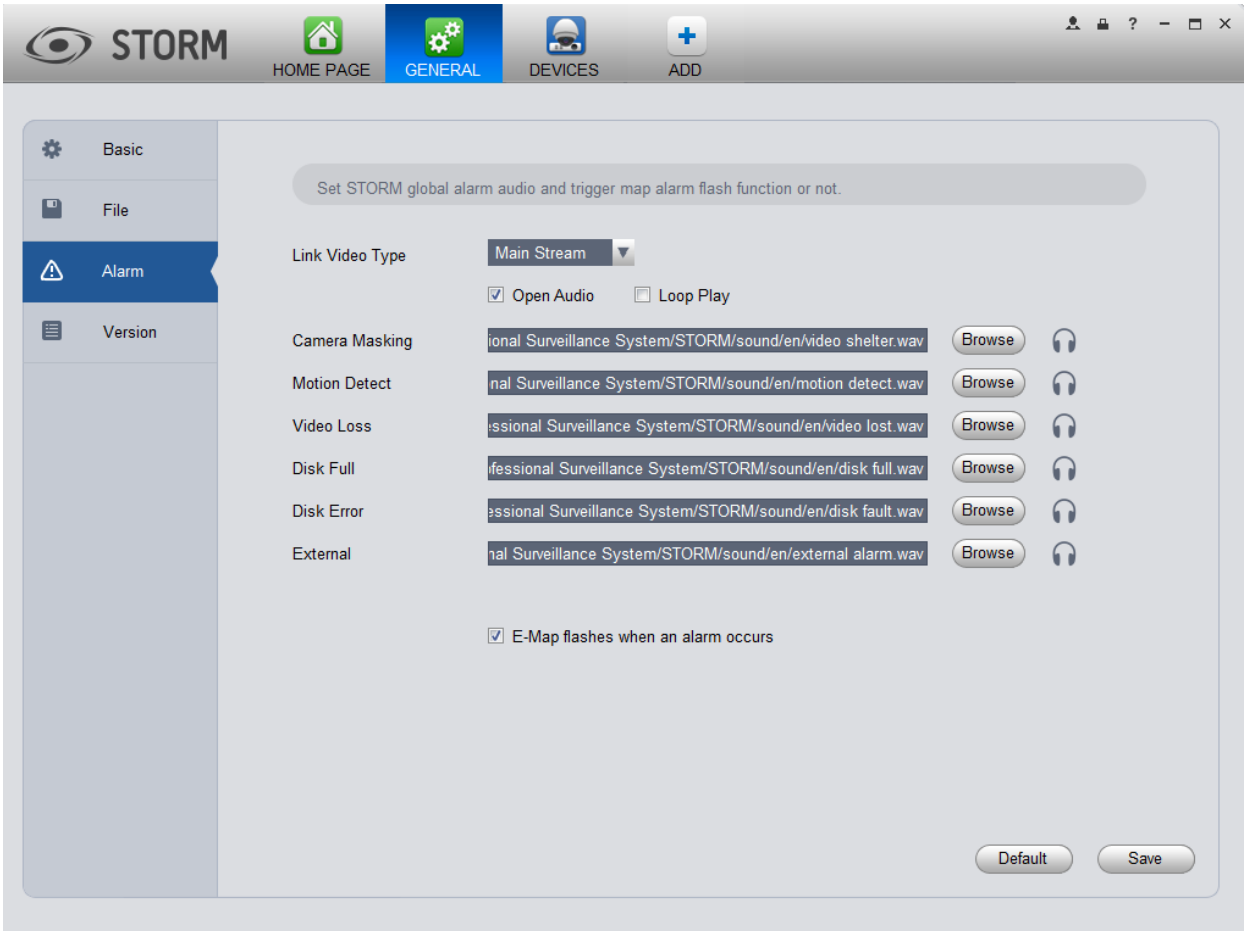

Figure 3-5

Tips

You can click the Default button to restore the factory default configuration.

The user configuration file storage path is used to import and export the user configuration file. If the current user configuration file storage path is modified towards another path, then it means all the user's configuration information will be exported. If the user reinstalls the software, he can export the previous user's configuration information to the current client.

If he reinstalls the software and imports the previously exported user configuration information, once these are saved, the original user's configuration information will be successfully imported into the current client.

3.3.4 Version

Click the version button to move onto the following interface.

Here you can view the software version information.

3.4 Account

Here you can add, modify or delete a user.

3.4.1 Add a Role

1) Click this icon  in the Settings panel, then click the Role button to move towards to the following interface. See Figure 3-6.

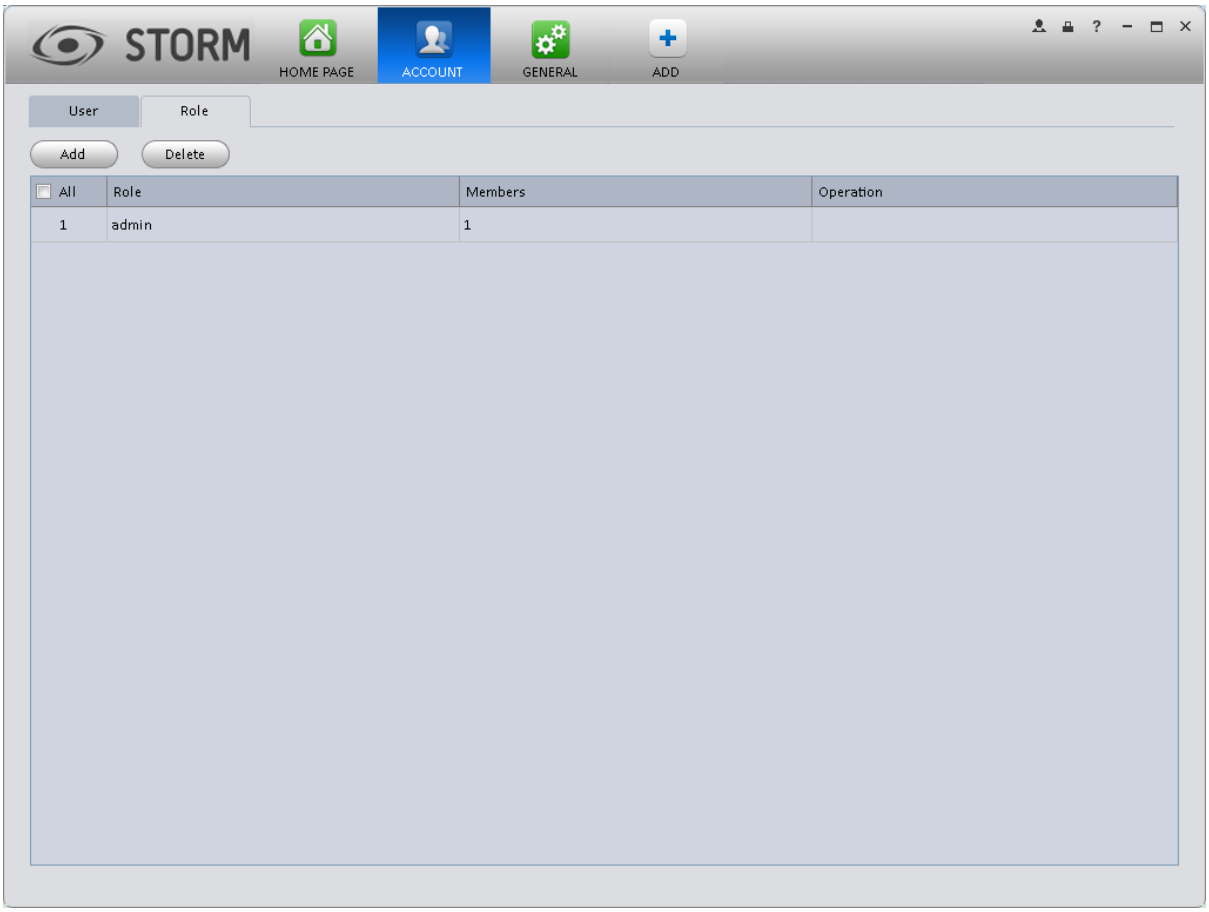

Figure 3-6

2) Click the Add button. The interface that will appear is shown in Figure 3-7.

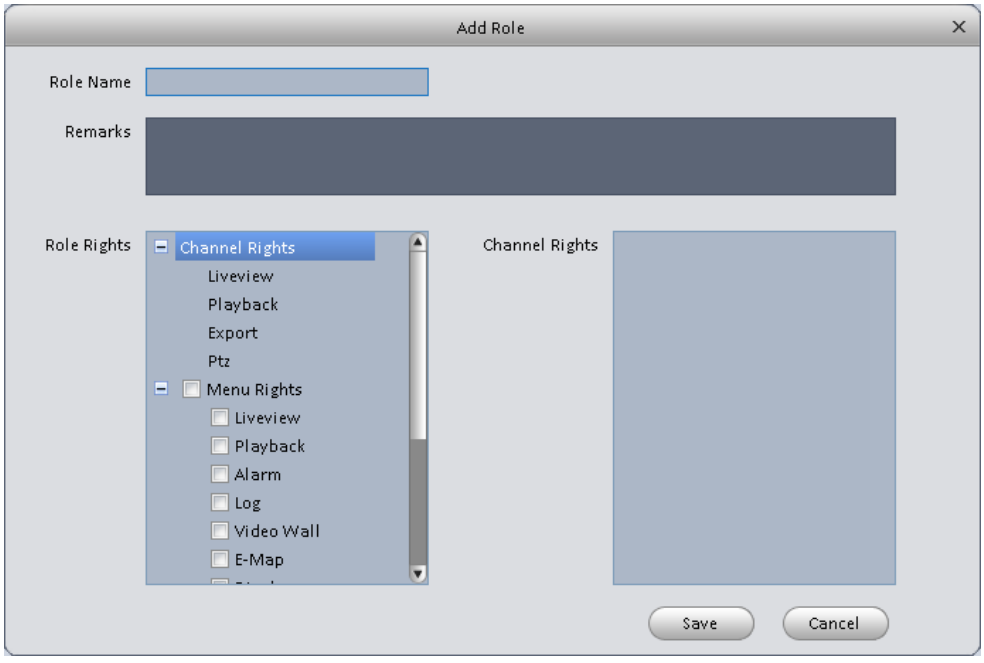

Figure 3-7

3) Please input a role name and check all the corresponding Role Rights. You can input added information for reference purposes, if necessary.

4) Click the Save button.

Tips

Select a Role and then click the Modify or Delete button to modify or delete a role.

3.4.2 Add a User

1) Click on  in the Settings panel, then click the User button to go to the following interface. See Figure 3-8.

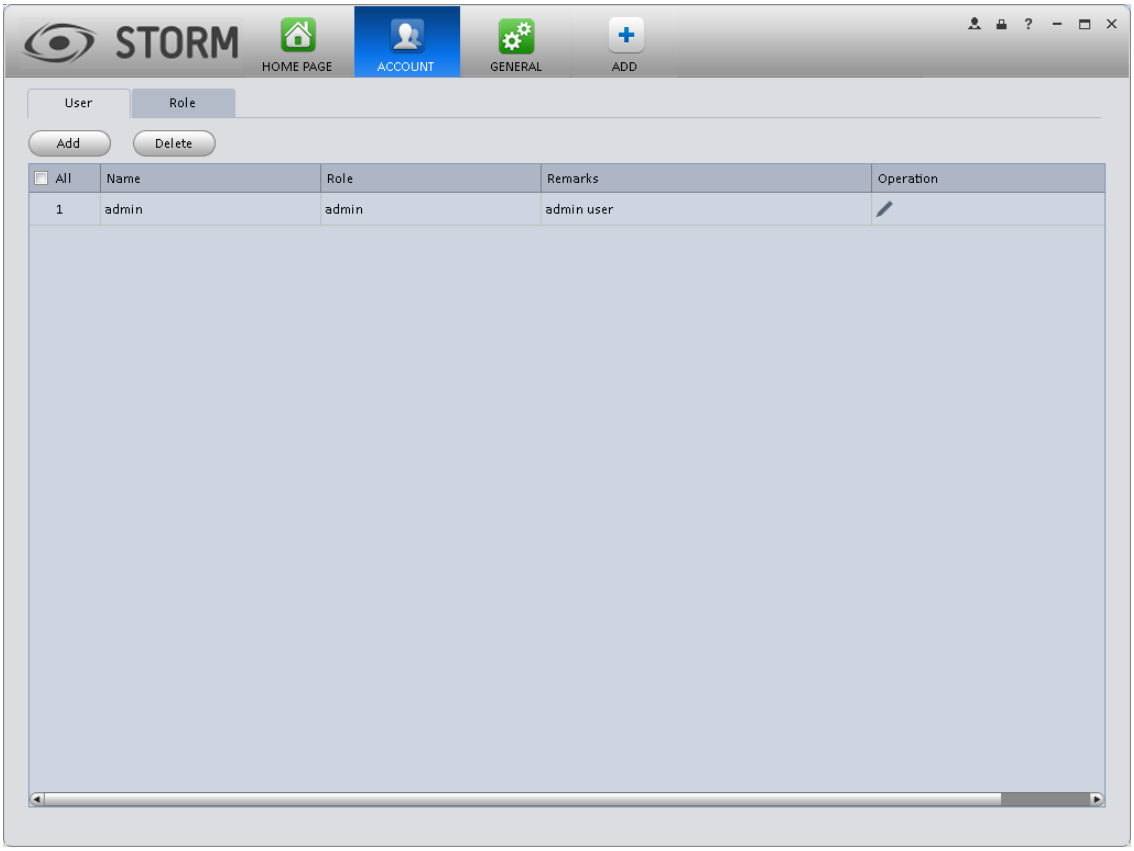

Figure 3-8

2) Click the Add button and you will see the following interface pop up. See Figure 3-9.

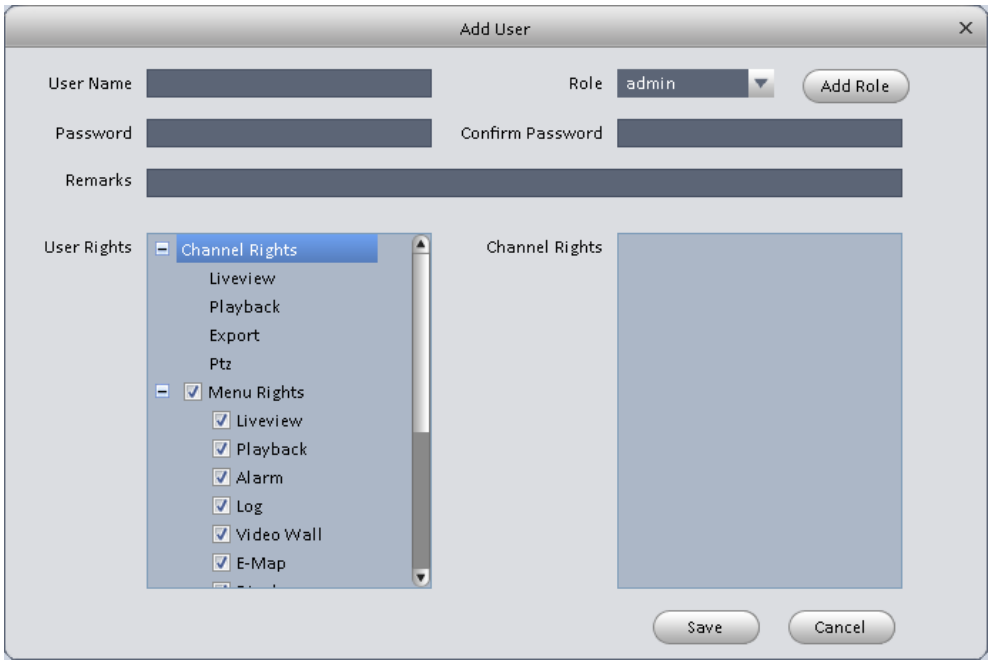

Figure 3-9

3) Select a role from the dropdown list, input the user name, the password and confirm the password. You can also input added description information, if necessary. Then, select the Rights for the new user.
4) Click the Save button to add the new user.

Please refer to the following table for added information.

Item	Function
User Name	Please input the user name here.
Role	You can select a role for the user from the dropdown list, or you can click the Add a Role button to add a new role.
Password	Please set the user password here.
Confirm Password	Please enter the new password again.
User Rights	Here you can check the box to select the corresponding rights for the current user. If the new user is a manager, the system will check all the rights by default.

5) Click the Save button to add a new user.

Tips

Select a User Name and then click the Modify or Delete button to modify or delete a user.

3.5 Device Manager

Here you can add, modify and delete a device. You can also set the device's group channel function.

Automatic Add

1) Click this icon  . The system will display the device's manager interface.
2) Click the Refresh button, then search for the device within the LAN. You also can enter the device segment, and click Search to search for devices within that same segment.
3) Check the Device box, the click Add to automatically add the device.

Manually Add

You can refer to the steps listed below to add, modify or delete a device manually or automatically.

1) Click this icon  in the Settings panel, the system will go to the device manager interface. The interface is shown below in Figure 3-10.

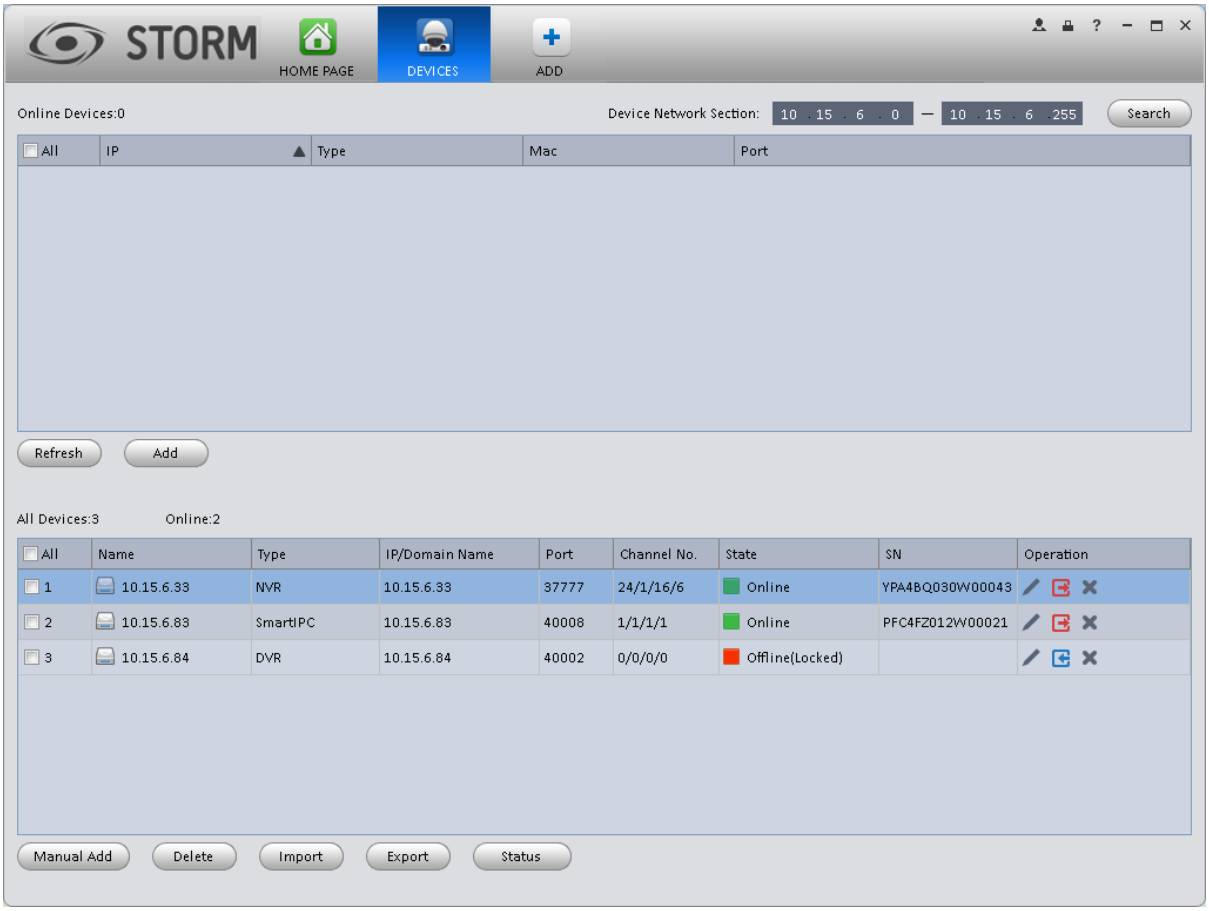

Figure 3-10

2) Click the Manual Add button. The interface that will appear is as shown in Figure 3-11. Please input the corresponding information and then click the Add button.

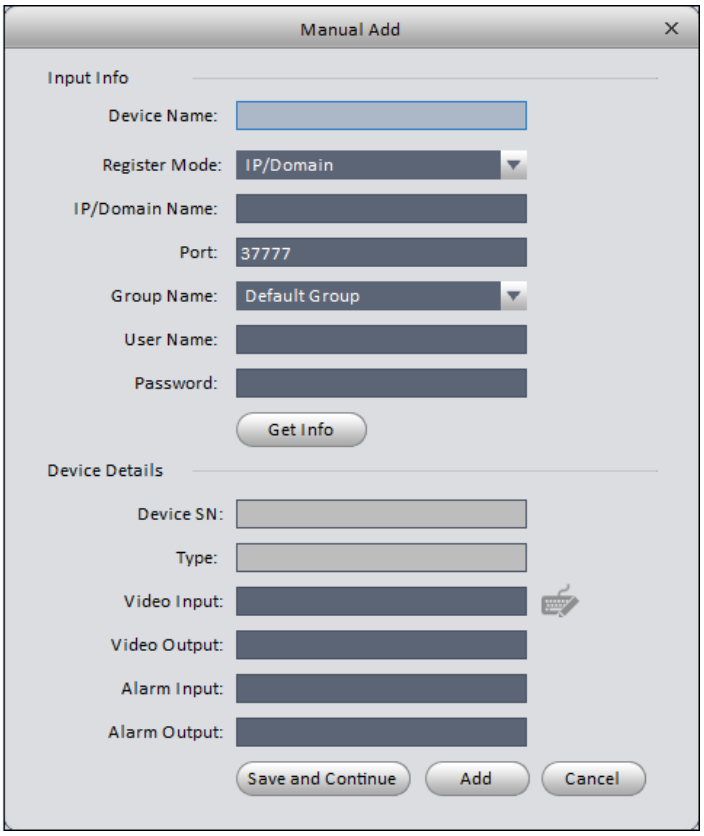

Figure 3-11

Please refer to the following table for added information.

Item	Function
Device Name	Please input a device name here.
Register Mode	By IP address or domain name and serial number.
IP/Domain Name	Device's IP address or domain name.
SN	Device's serial number. Note: for P2P devices only.
Port	Device's IP port. By default this value is 37777.
Group Name	Here you can choose a group.
User Name	The user name you use to log into the device.
Password	The password you use to log into the device.

3) Input the device's configuration information, then click on Get Info. The system will automatically get the device's information as in Figure 3-12.

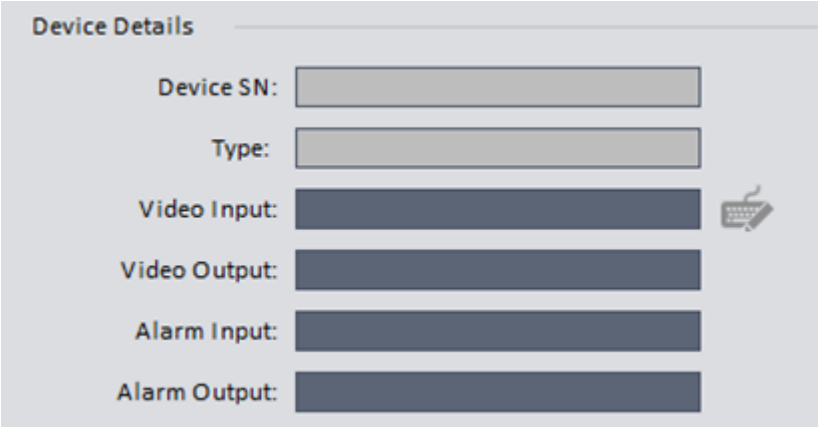

Figure 3-12

Device SN	Device's serial number. In Read-Only mode.
Video Input	The number of video input channel's on the device. Click on , to set the device number: click the column number and enter the number.
Video Output	The number of video output channel's on the device.
Alarm Input	The number of input channel's on the device.
Alarm Output	The number of output channel's on the device.
Type	The type of device.

4) Click the Add button. You can click Save and Continue to add the next device. Added devices will appear as in Figure 3-13.

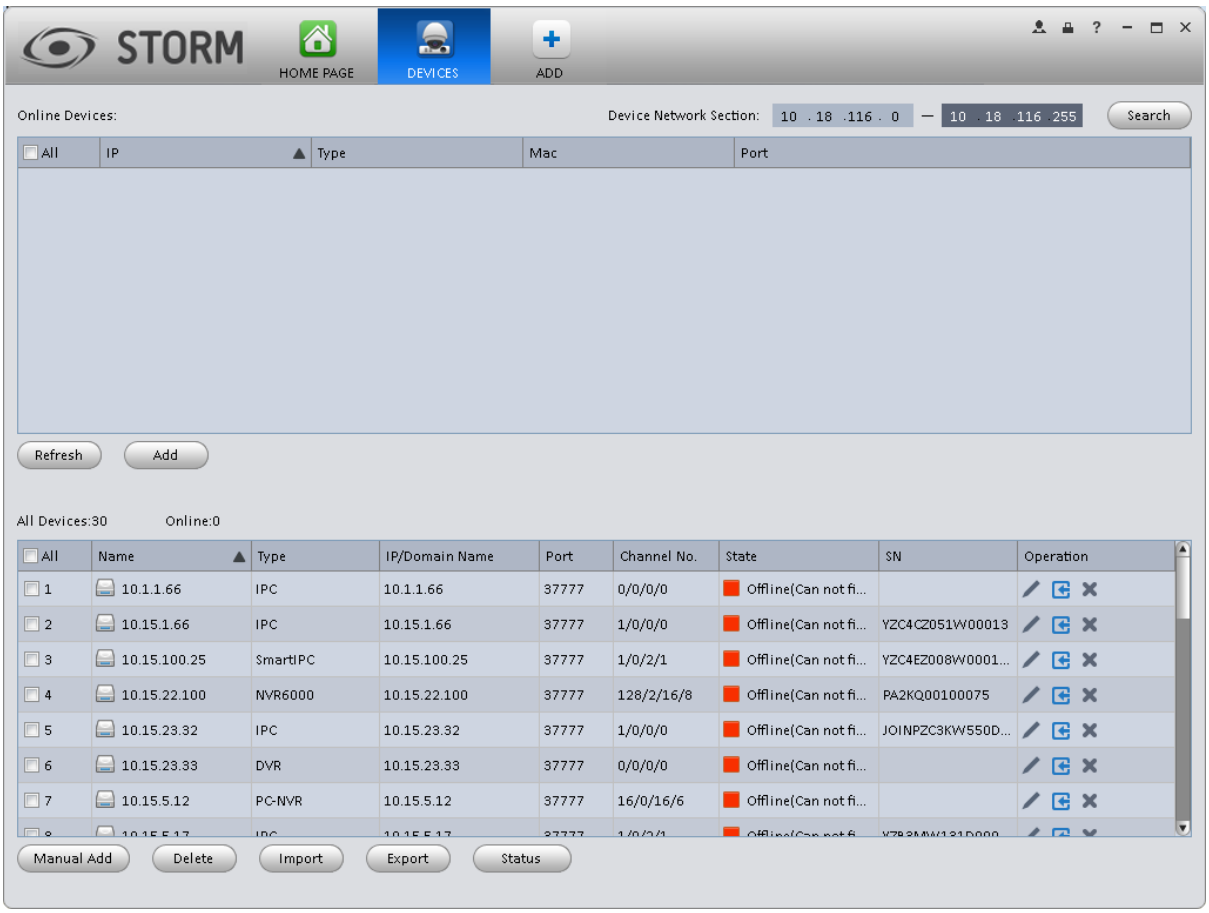

Figure 3-13

Click on Status to view the operation status, the disk status, the external alarm, the motion detection, etc. of each device.

Tips

Select a device in the list, and then:

- Click on  to modify, or click on  to delete it.
- Click on  to log into the device manually.
- Click on  to log out of the device manually.
- Click on the  button and then select the storage path to save the current device list to an .xml file.

5) Click on Import to import the local configuration in .xml format, or you can import using the Easy 4IP account. See Figure 3-14.

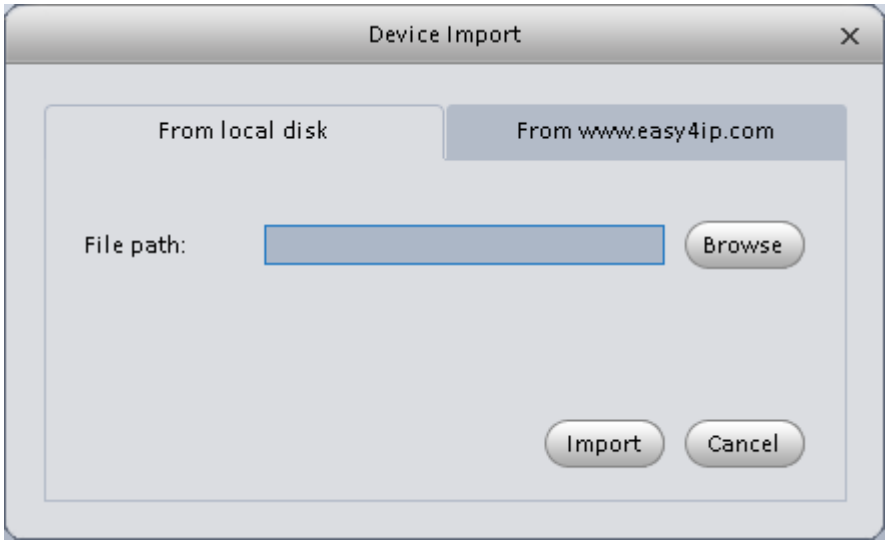

Figure 3-14

3.6 Signals Manager

Once you have added a new device, you can go to the signals manager interface to set the parameters.

On the main interface, click this button  in the Settings panel to go to the following interface. See Figure 3-15.

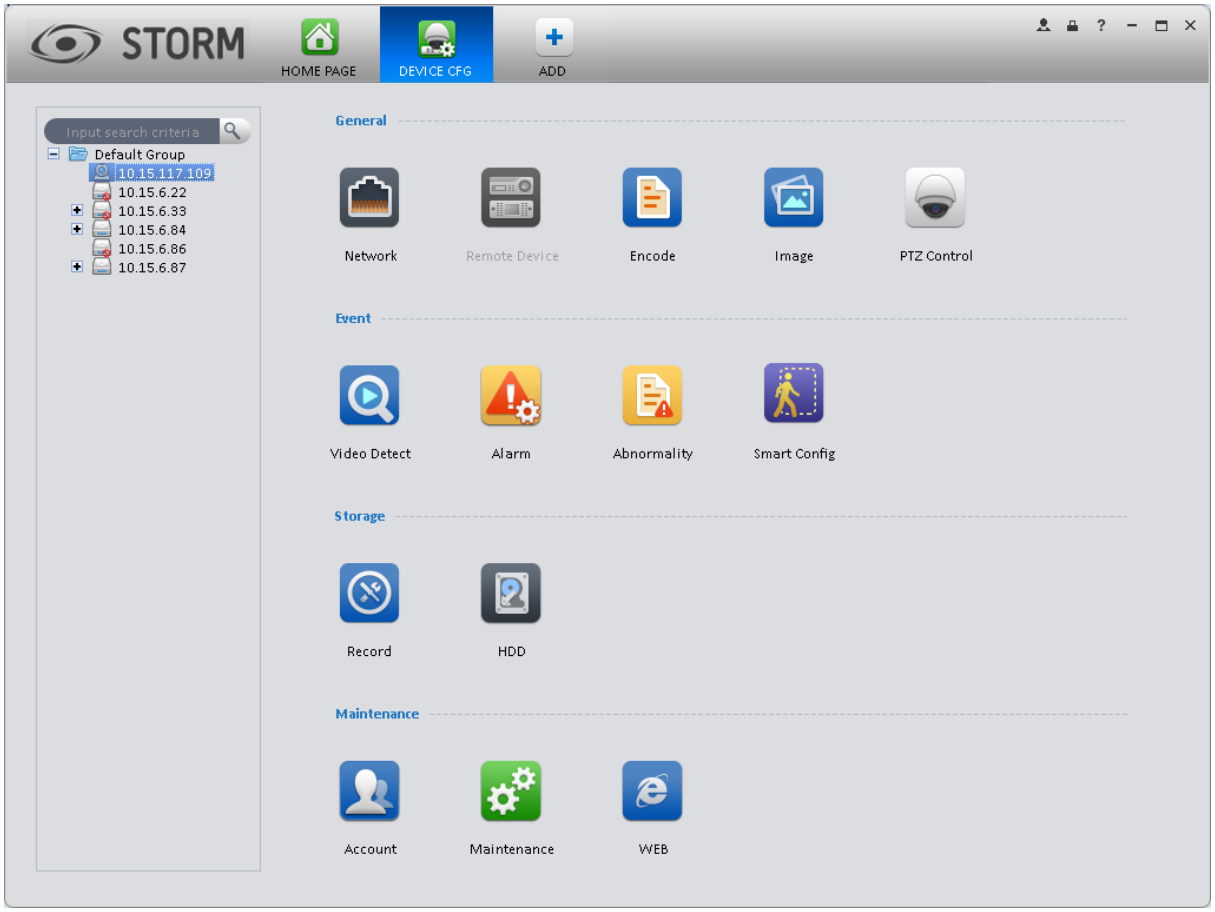

Figure 3-15

3.6.1 General

3.6.1.1 Network

This is where you will set the network information, such as TCP/IP, the connection, PPPoE, DDNS, the IP filter, SMTP, Multicast and the Alarm Centre.

3.6.1.1.1 TCP/IP

Here you can set the parameters corresponding to the TCP/IP connection. See Figure 3-16.

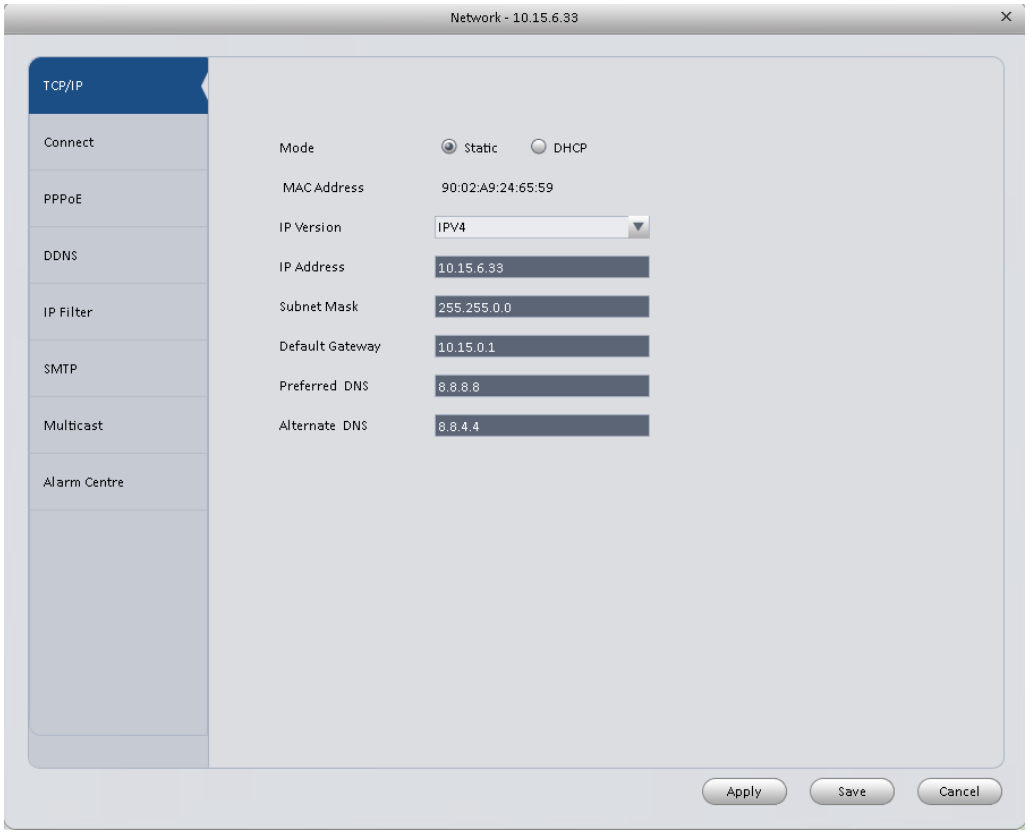

Figure 3-16

3.6.1.1.2 Connect

Here you can set the maximum number of login accounts, TCP ports, UDP ports, HTTP ports, RTSP ports, etc. See Figure 3-17.

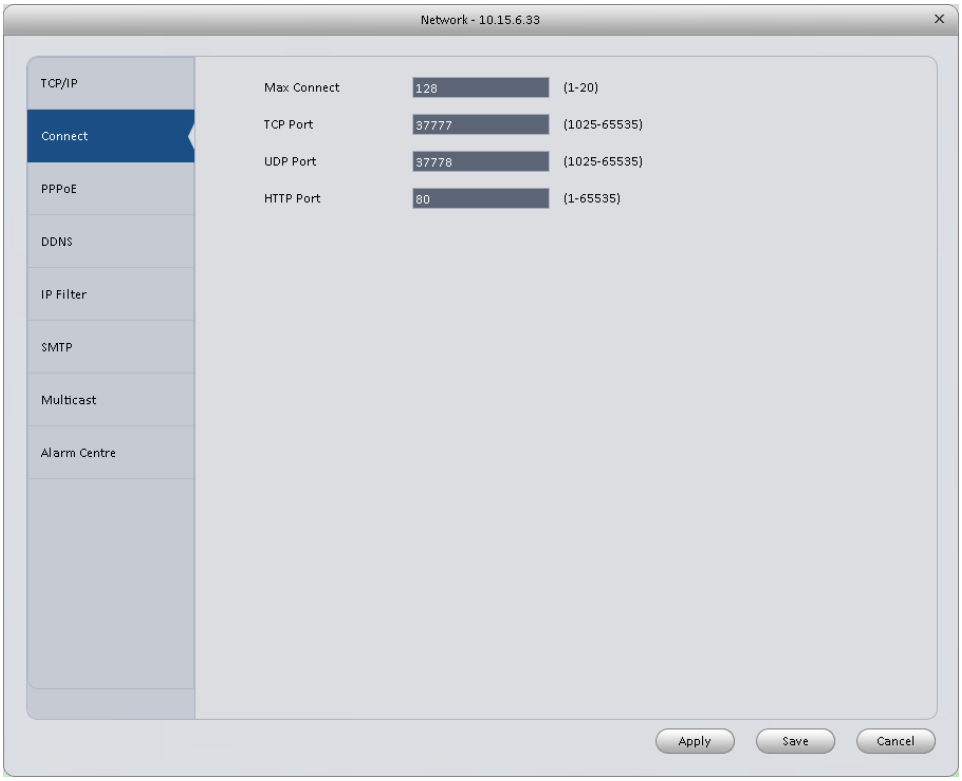

Figure 3-17

3.6.1.1.3 PPPoE

The PPPoE interface is shown below in Figure 3-18.

Input the “PPPoE name” and “PPPoE password” provided to you by your ISP (Internet service provider). Click the OK button. You will need to reboot to activate your configuration.

After rebooting, the device will connect to the internet automatically. The IP address in the PPPoE is the device’s dynamic value. You can access this IP address to view the device.

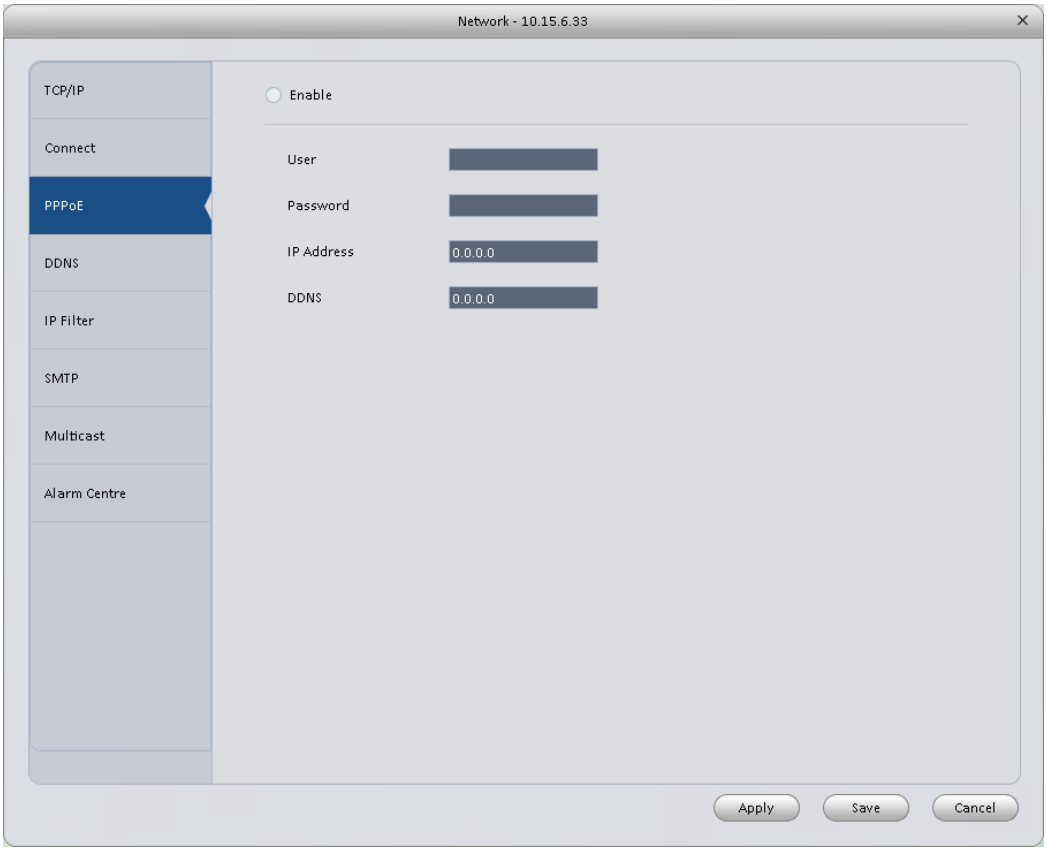

Figure 3-18

3.6.1.1.4 DDNS

The DDNS setup interface is as shown in Figure 3-19.

You need a PC with a fixed IP address in the internet and that has a DDNS software running on this PC. In other words, this PC is a DNS (domain name server).

In the DDNS network, please select the DDNS type and check the Enable box. Then input your PPPoE name, which you can get from you IPS and server IP (PC with DDNS). Click the OK button and then reboot the system.

Click the Ok button, the system will prompt you to reboot in order to activate the configuration.

Once the reboot is completed, open IE and input the link below:

http://(DDNS server IP)/(virtual directory name)/webtest.htm

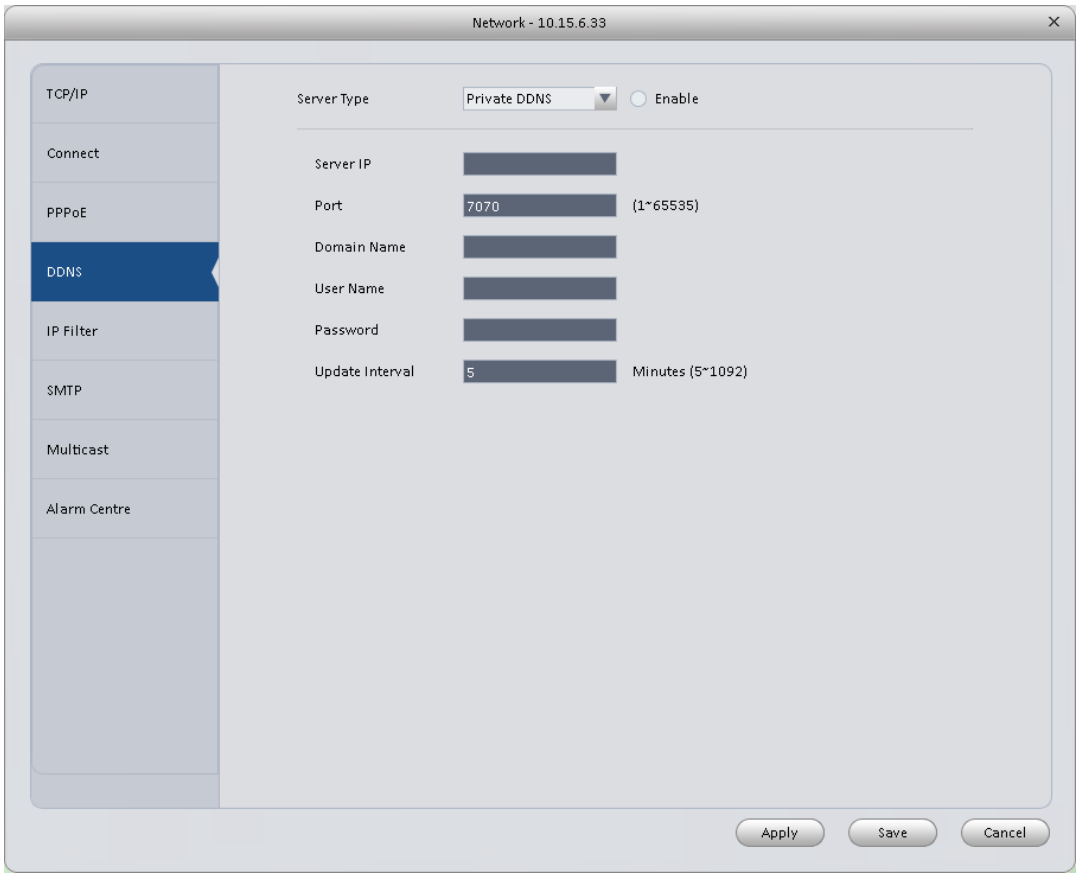

Figure 3-19

Please refer to the following table for added information.

Parameter	Function
Server Type	You can select the DDNS protocol from the dropdown list and then enable the DDNS function.
Server IP	The IP address of the DDNS server.
Port	The port of the DDNS server.
Domain Name	The domain name as chosen by you.
User Name	The user name you input to log into the server.
Password	The password you input to log into the server.
Update Interval	The device sends out signals to the server regularly. You can set the interval value between the device and DDNS server here.

3.6.1.1.5 IP Filter

The IP filter interface is as shown in Figure 3-20. You can add an IP address in the following list.

After you have enabled the Whitelist function, only the IP address listed below will be able to access the current device.

If you enable the Blacklist function, the listed IP addresses won't be able to access the current device.

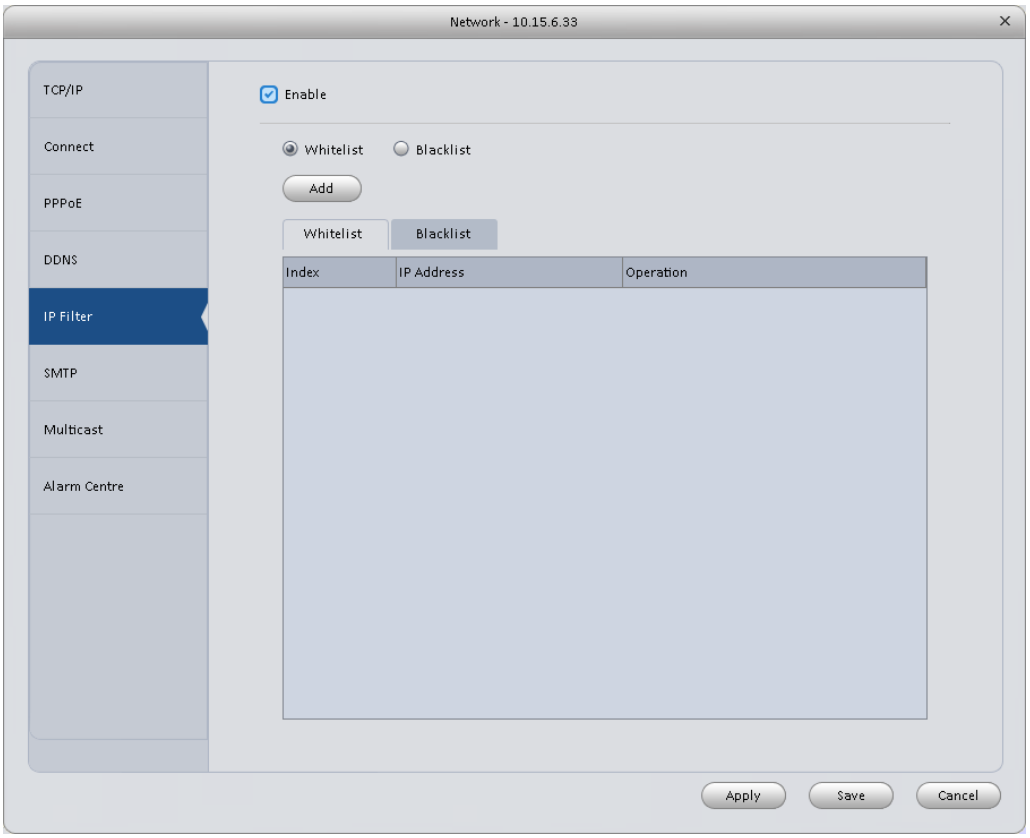

Figure 3-20

3.6.1.1.6 SMTP (Email)

The SMTP interface is as shown in Figure 3-21. Here you can configure the email of the Receiver, the encryption mode, the sending out interval time, etc.

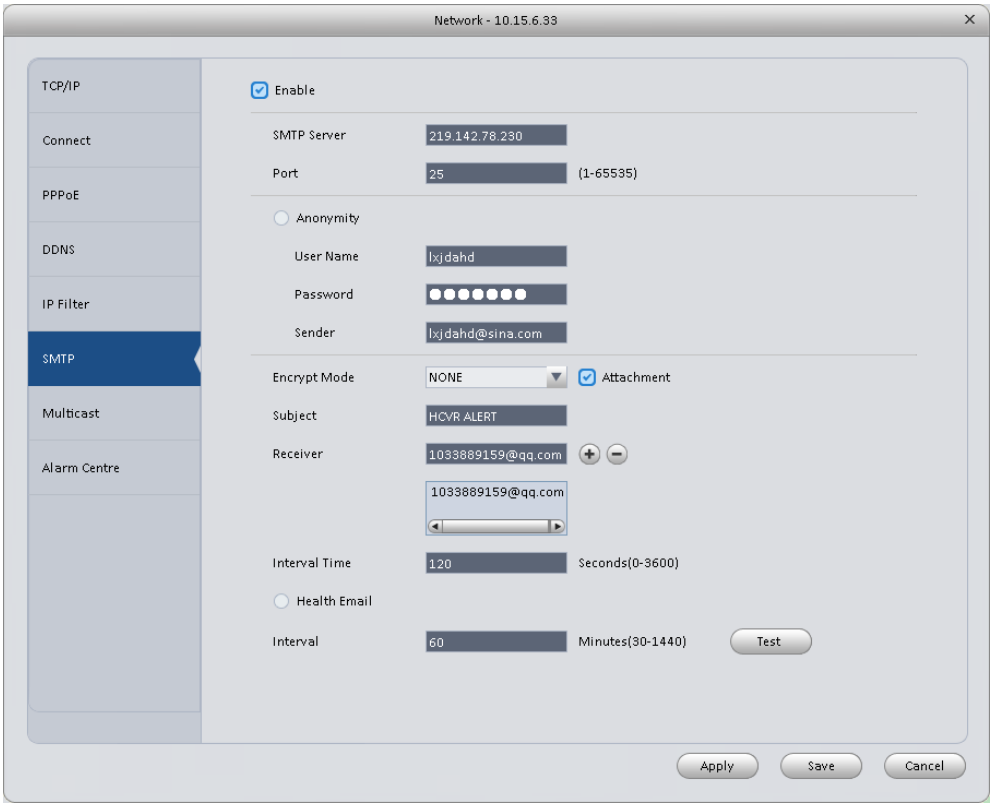

Figure 3-21

Please refer to the following table for added information.

Parameter	Function
Enable	Please check the box here to enable the email function.
SMTP Server	Input the server's address and then enable this function.
Port	The default value is 25. You can modify it if necessary.
Anonymity	For the server to support the anonymity function. You can automatically log in anonymously. You will not need to input the user name, the password and the sender's information.
User Name	The user name of the sender's email account.
Password	The password of sender's email account.
Sender	The sender's email address.
Encrypt mode	The system supports the following modes: SSL/NONE/TLS.
Subject	Input the email subject here.
Attachment	System can send out the email of the snapshot picture once you check the box here.
Receiver	Input the email address of the receiver here. Maximum of three addresses possible.
Interval	The sending interval ranges from 0 to 3600 seconds. 0 means there is no interval. Please note that the system will not send out the email immediately when the alarm occurs. When the alarm, motion detection or abnormal event activates the email, the system will send out the email according to the specified interval. This function is very useful when there are too many emails are activated by abnormal events, which can cause a heavy load for the email server.
Health Mail	Please check the box here to enable this function.
Health Mail Interval	This function allows the system to send out the test email to verify if the connection is OK or not. Please check the box to enable this function and then set the corresponding interval. The system can send out the email as regularly as you set it here.
Test	The system will automatically sent out an email once to test if the connection is OK or not. Before enabling the email test, please save the email configuration information.

3.6.1.1.7 Multicast

The multicast interface is as shown in Figure 3-22.

Multicast is a transmission mode of data packets. When there are multiple hosts to receive the same data packet, the multicast is the best way to reduce the load of the broad bandwidth and CPU. The source host can simply send out one data.

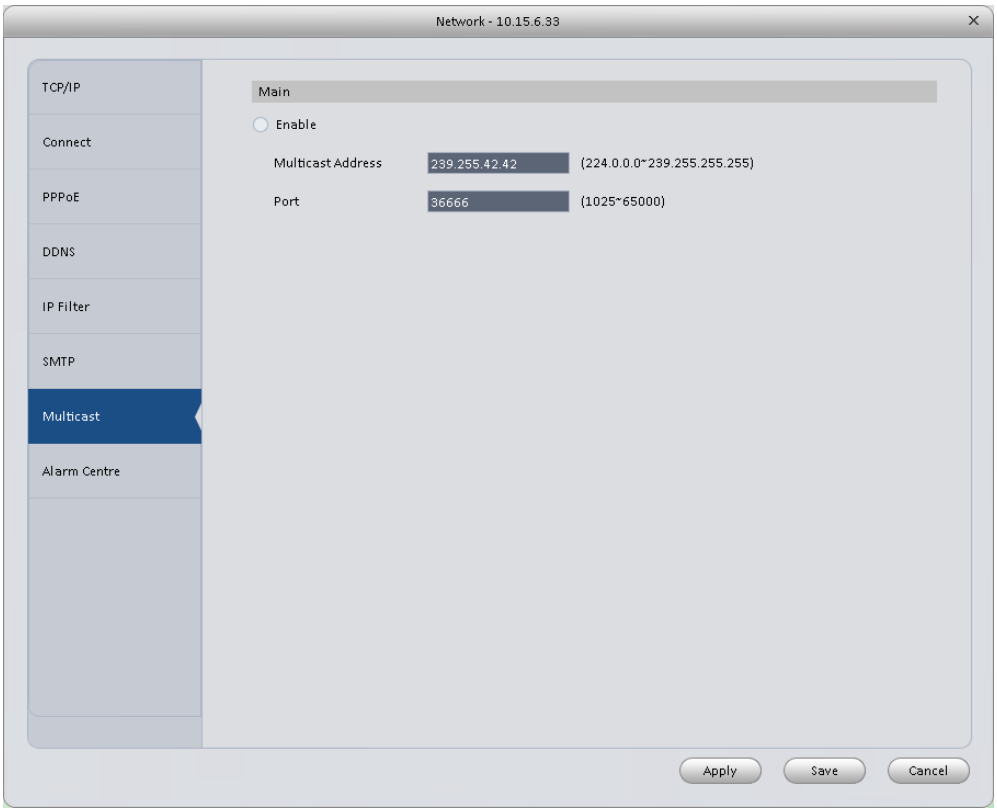

Figure 3-22

3.6.1.1.8 Alarm Server

The alarm centre interface is as shown below in Figure 3-23.

This interface is reserved for you to develop. The system can upload alarm signals to the alarm centre when a local alarm occurs.

Before you use the alarm centre, please set the server's IP address, the port, etc. When an alarm occurs, the system will then send out data according to the defined the protocol, so that the client-end can receive the data.

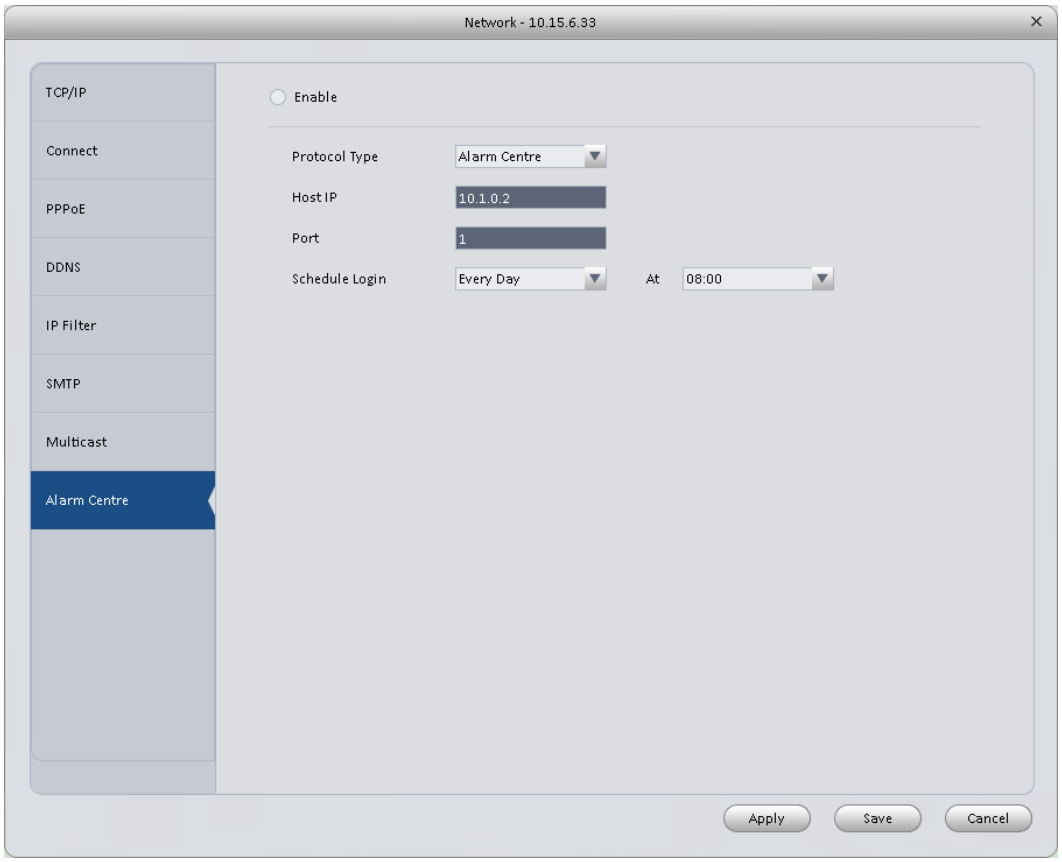

Figure 3-23

3.6.1.2 Remote

Here you can add a remote device manually or automatically. See Figure 3-24.

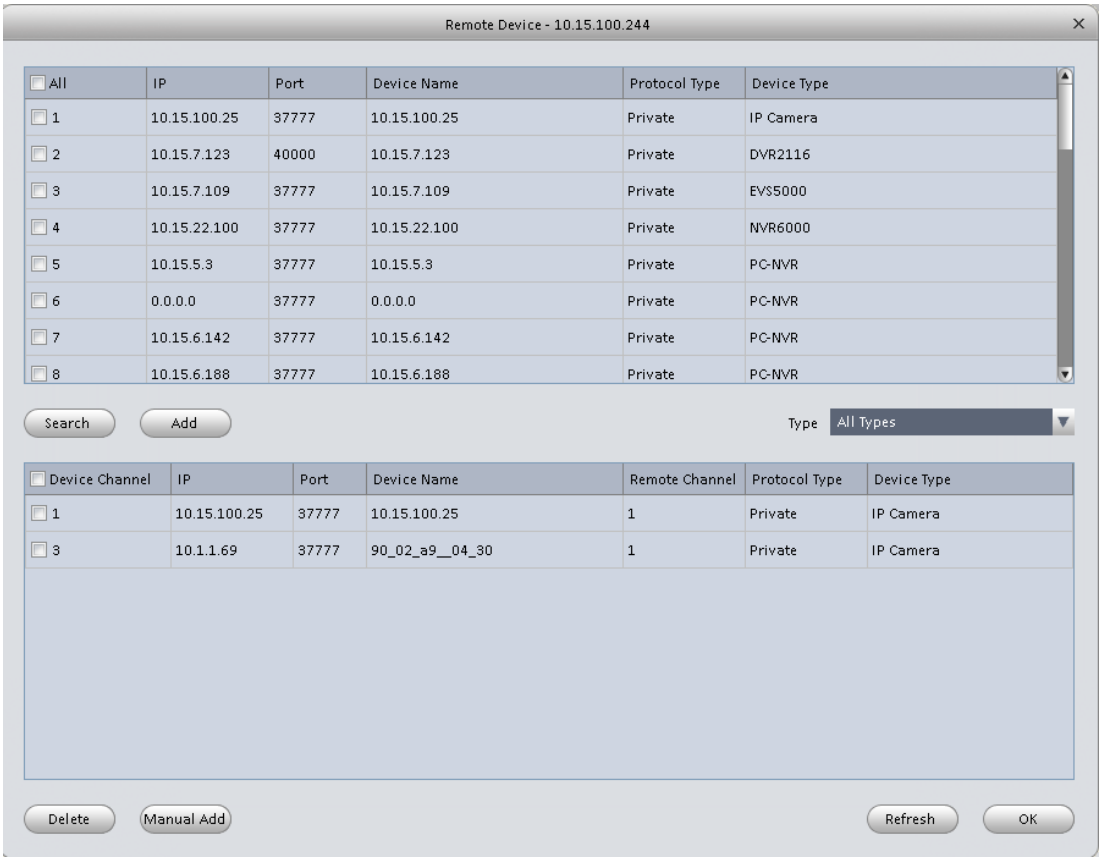

Figure 3-24

Click the Search device button, the system will list all the devices found in the same IP address section. Select the desired device and then click the Add button. This is how you can add a remote device.
Click the Manual Add button, the system will display the following dialogue box. See Figure 3-25. Please input the corresponding information and then click the OK button to add a remote device.

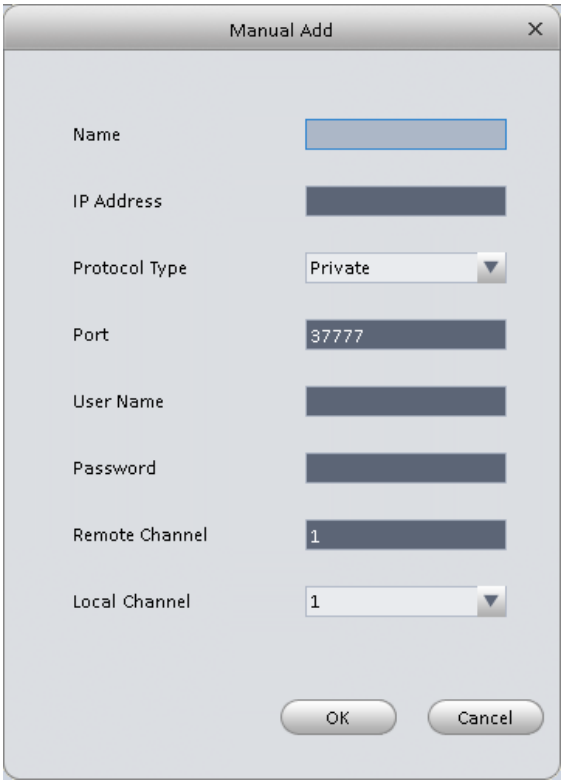

Figure 3-25

3.6.1.3 Encoding

3.6.1.3.1 Audio/Video

The interface is as shown below in Figure 3-26. Here you can set the audio or video bit streams.

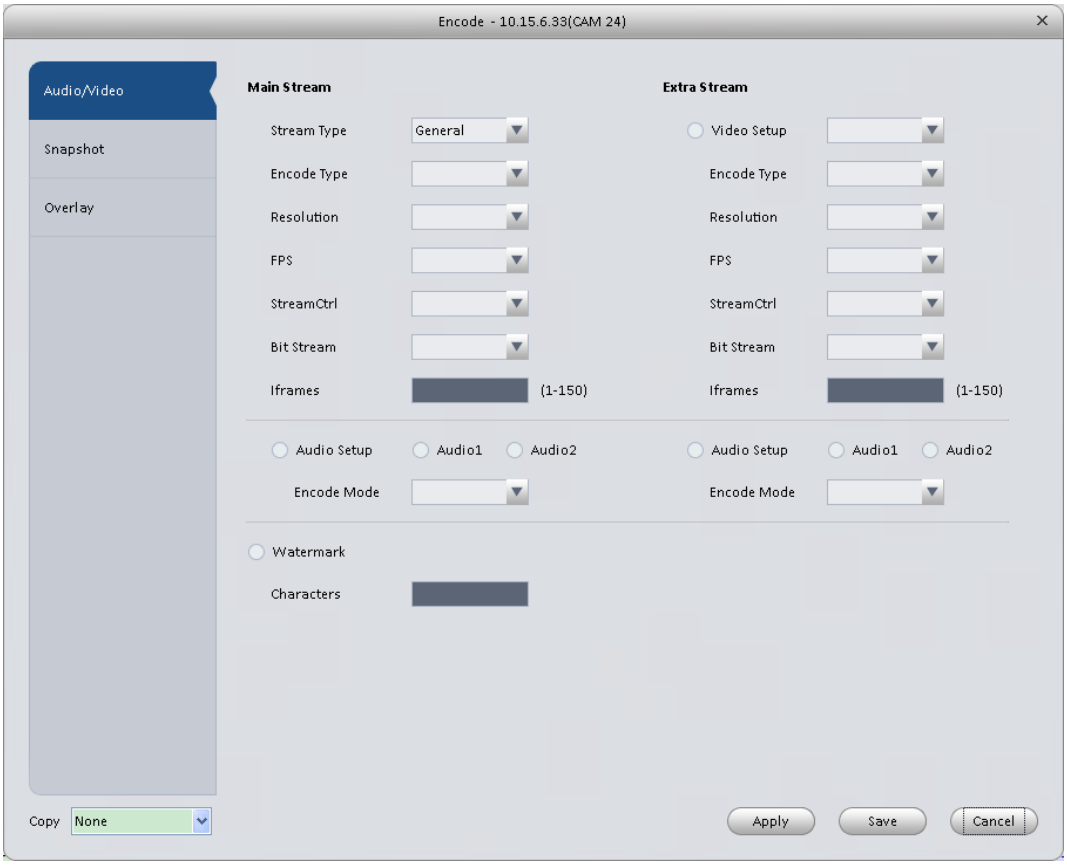

Figure 3-26

Please refer to the following table for added information.

Parameter	Function
Video Setup	Check the box here to enable the extra stream video. This function is enabled by default.
Stream Type	This includes the main stream, the motion stream and the alarm stream. You can select different encode frame rates from different recorded events.
Encode Mode	It allows you to set the audio/video encode mode. The default setup is H.264.
Resolution	The system supports various resolutions, you can select one from the dropdown list.
FPS	PAL：1to 25fps；NTSC：1 to 30fps.
Bit Stream	In VBR mode, it is the maximum value of the bit stream. In the CBR mode, it is a fixed value.
Ref Stream	Depends on to the selected encode mode, the resolution and the display bit stream. (range)
Iframes	The interval between key frames.
Audio Encode Mode	Check the box here to enable the audio function and select the encode type from the dropdown list.
Watermark /Watermark Character	This function allows you to verify whether the video has been tampered with or not. Here you can select the watermark bit stream, watermark mode and watermark character.

Copy	Select copy if you want to copy the current setup to other channel(s).

3.6.1.3.2 Snapshot

The snapshot interface is as shown below in Figure 3-27.

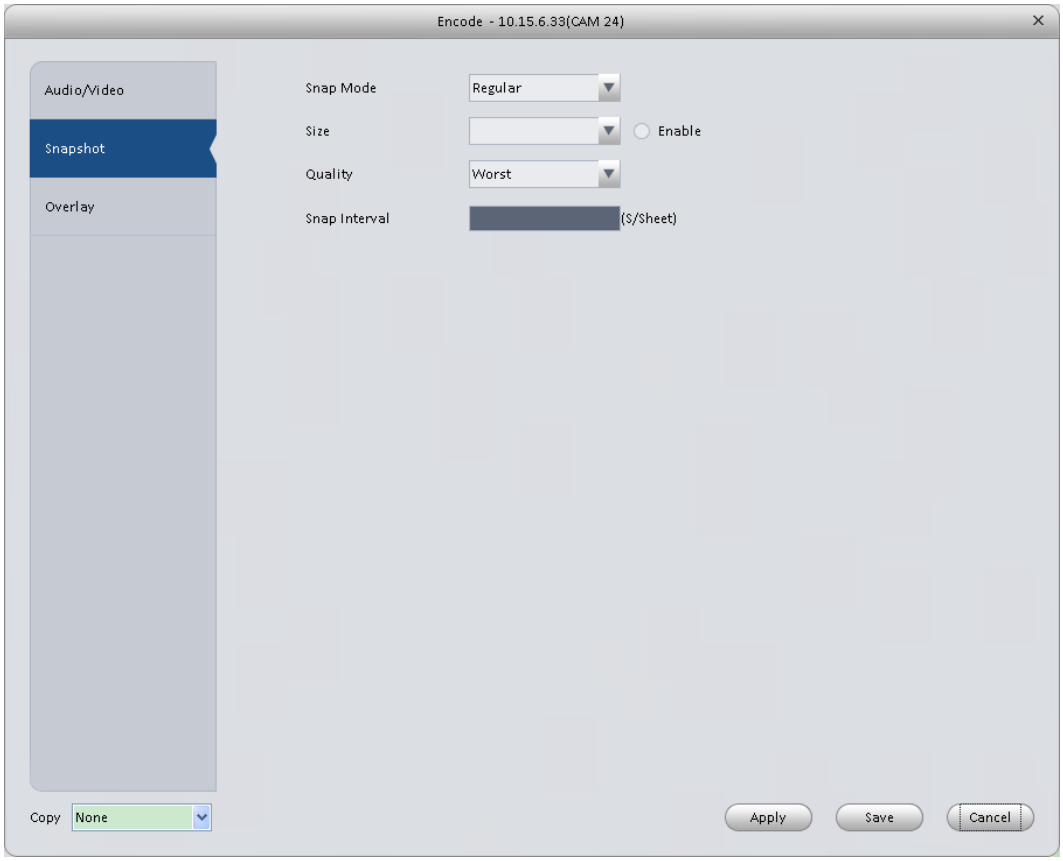

Figure 3-27

Please refer to the following table for added information.

Parameter	Function
Snapshot Type	There are three modes. ● Regular: It enables the snapshot function, you will need to configure the snapshot schedule. ● Trigger: It enables the snapshot function when motion detection occurs. ● ALM: It enables the snapshot function when an alarm occurs.
Image Size	It is the same as what is obtained with the resolution of the main stream.
Quality	Allows you to set the image quality.
Interval	Allows you to set the snapshot frequency.
Copy	Click it to copy the current channel setup to other channel(s).

3.6.1.3.3 Overlay

Allows you to overlay information on the video. See Figure 3-28.

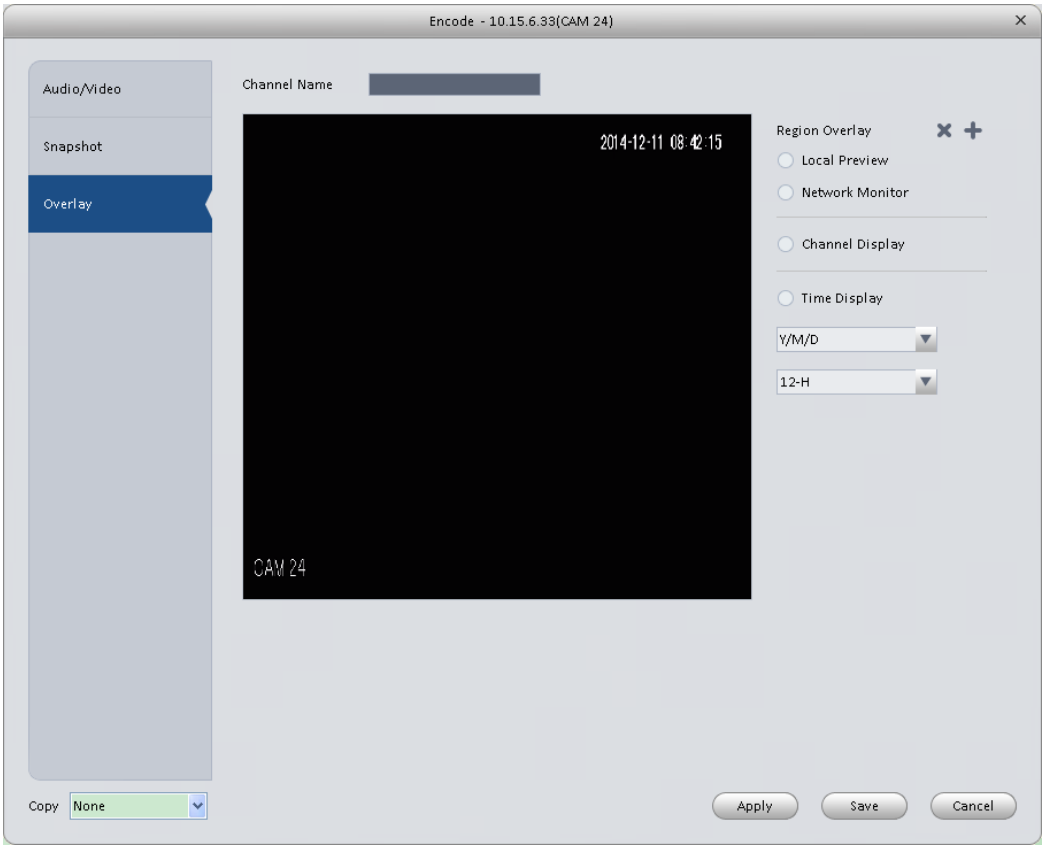

Figure 3-28

Please refer to the following table for added information.

Parameter	Function
Channel Name	Enter a channel name.
Region Overlay	There are two types: Local Liveview/Network Monitor. Local Liveview: allows you to shield the video under the local liveview mode. Network Monitor: allows you to shield the video under the network monitor mode.
Channel Display	You can enable this function so that the system overlays the channel information in the video window. Please input the channel name here. You can use the mouse to drag the channel title position.
Time Display	You can enable this function so that the system overlays the time information in the video window. You can use the mouse to drag the time title position. You can view the time title on the live video on the WEB or during the playback of the video.
Date Format	Select the date format from the dropdown list if you want to overlay the date information.
Time Format	Select the time format from the dropdown list if you want to overlay the time information.
Copy	Click it and you can copy current channel setup to other channel(s).

3.6.1.4 Image

Here you can set the camera properties. See Figure 3-29.

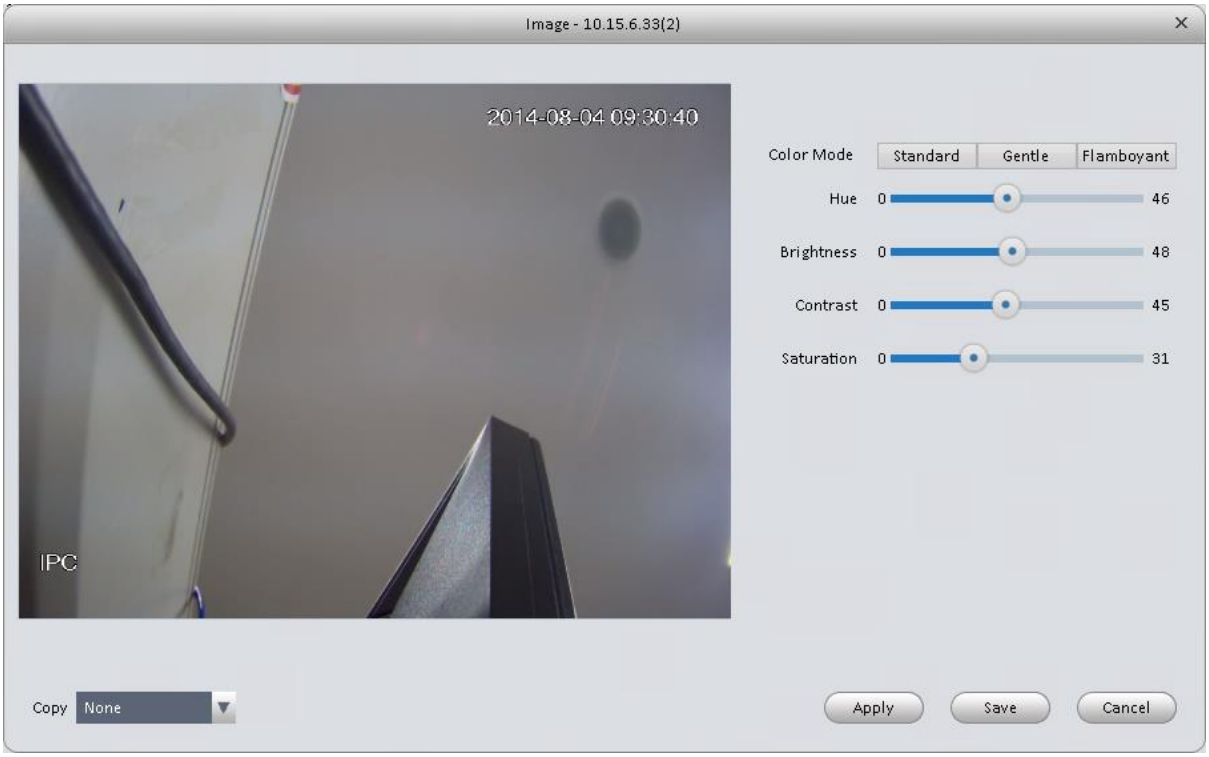

Figure 3-29

Please refer to the following table for added information.

Parameter	Function
Color Mode	Allow you to set the color mode.
Hue	Allows you to set the color hue.
Brightness	It is to adjust brightness of the colors. The larger the value is, the brighter the video, and vice versa. The dark and bright sides of the video can be increased or decreased at the same time.
Contrast	Allows you to set the video contrast. The larger the value is, the bigger the contrast, and vice versa.
Saturation	Allows you to set the color saturation. The larger the value is, the stronger the color, and vice versa.

3.6.1.5 PTZ Control

This allows you to set the PTZ parameters. See Figure 3-30.

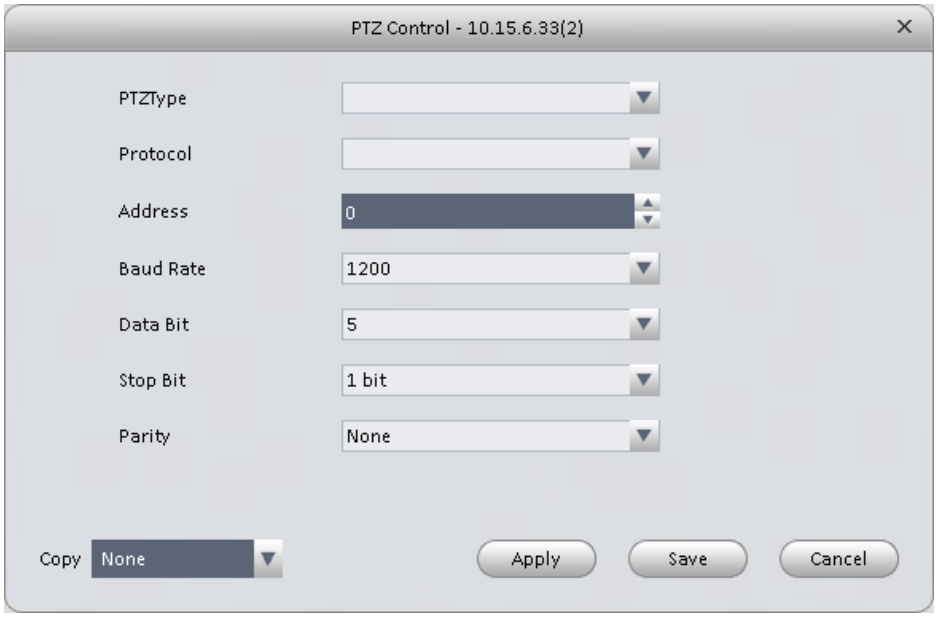

Figure 3-30

Please refer to the following table for added information.

Parameter	Function
Protocol	Select the corresponding dome protocol, such as PELCOD.
Address	Set the corresponding dome address. The default value is 1. **Please note that your setup here needs to comply with your dome address; otherwise you can't control the speed of the dome.**
Baud Rate	Select the dome baud rate. Please set according to the setup of the speed dome dial switch.
Data Bit	Please set according to the setup of the speed dome dial switch.
Stop Bit	Please set according to the setup of the speed dome dial switch.
Parity	Please set according to the setup of the speed dome dial switch.

3.6.2 Event

3.6.2.1 Video Detection

The video detect includes three types:

- Motion Detect: Through video analysis, the system can enable a motion detection alarm when it detects a motion signal which has reached the sensitivity threshold defined herein.
- Video Loss: This function allows you to be informed when video loss occurs. You can enable the Alarm Output channel and then enable the Show Msg function.
- Camera Masking: When someone intentionally hides or masks the lens, or the video output is in one color due to lights changes in the environment, the system can alert you to guarantee the continuity of the video.

The example below represents the Motion Detect interface. See Figure 3-31.

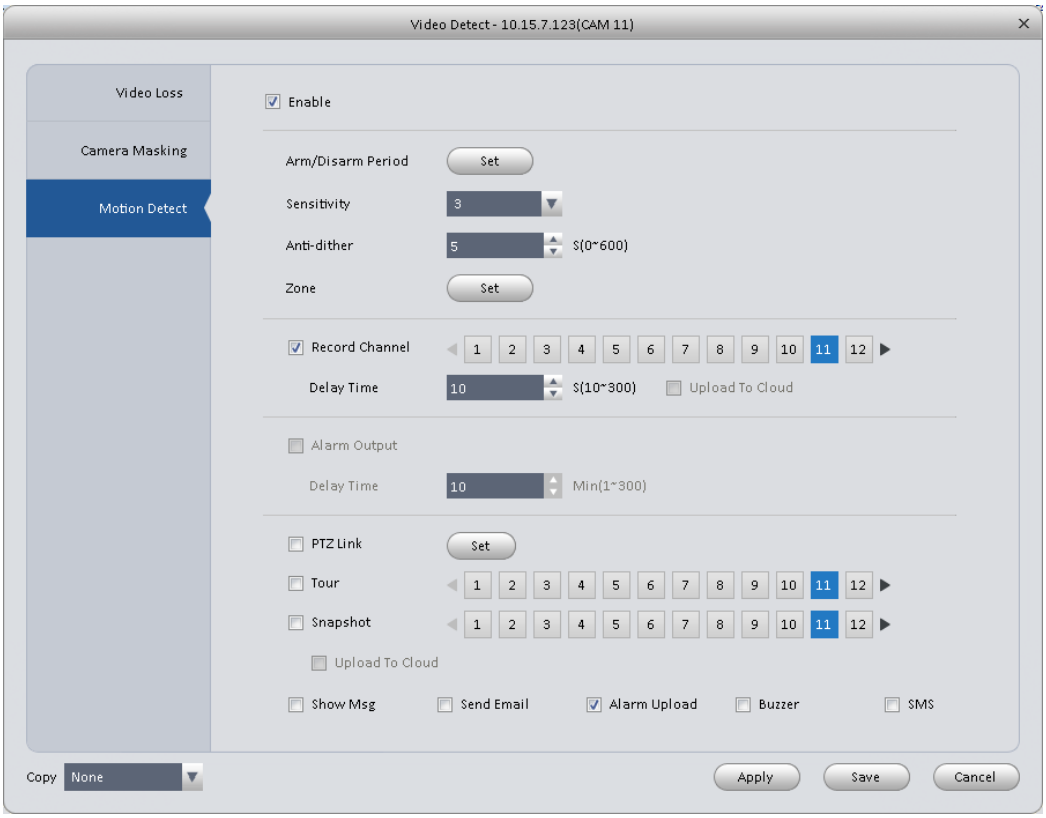

Figure 3-31

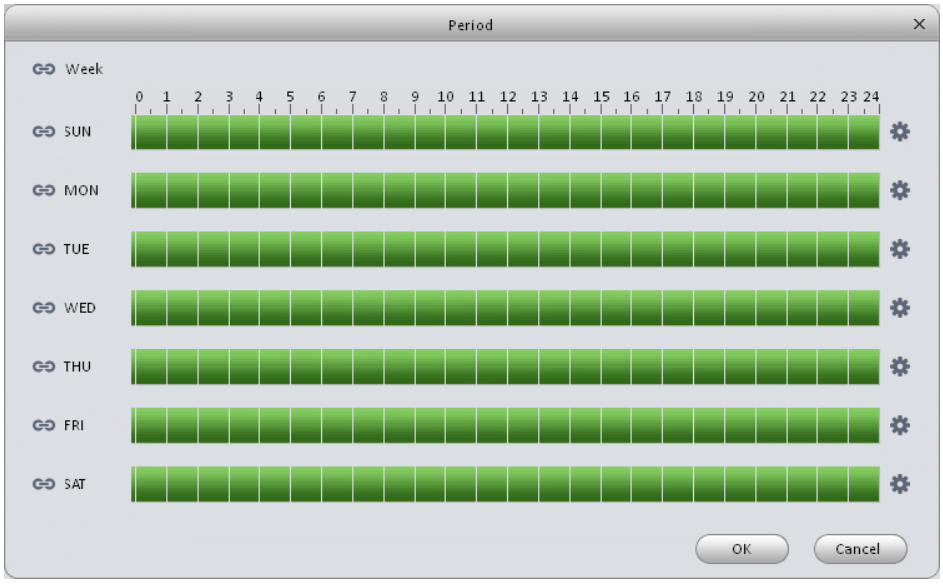

Figure 3-32

Figure 3-33

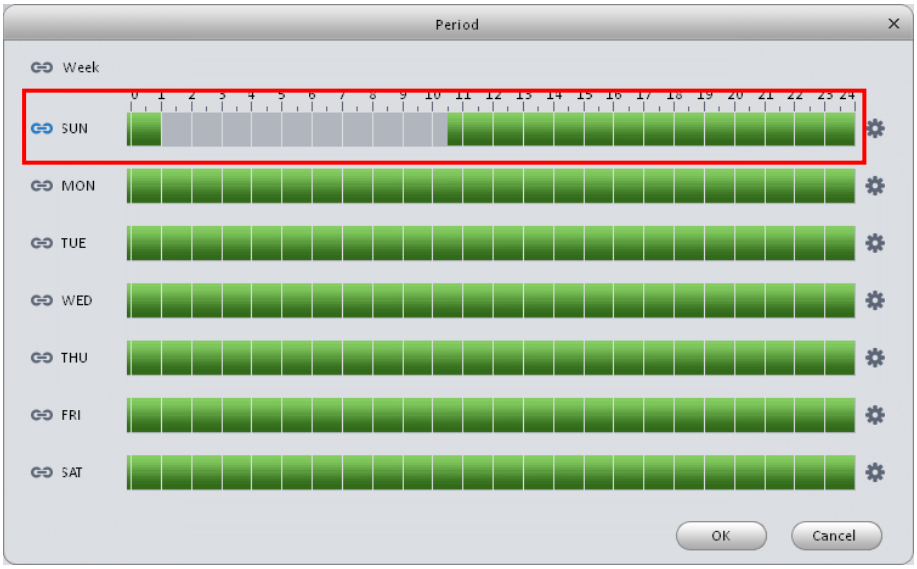

Figure 3-34

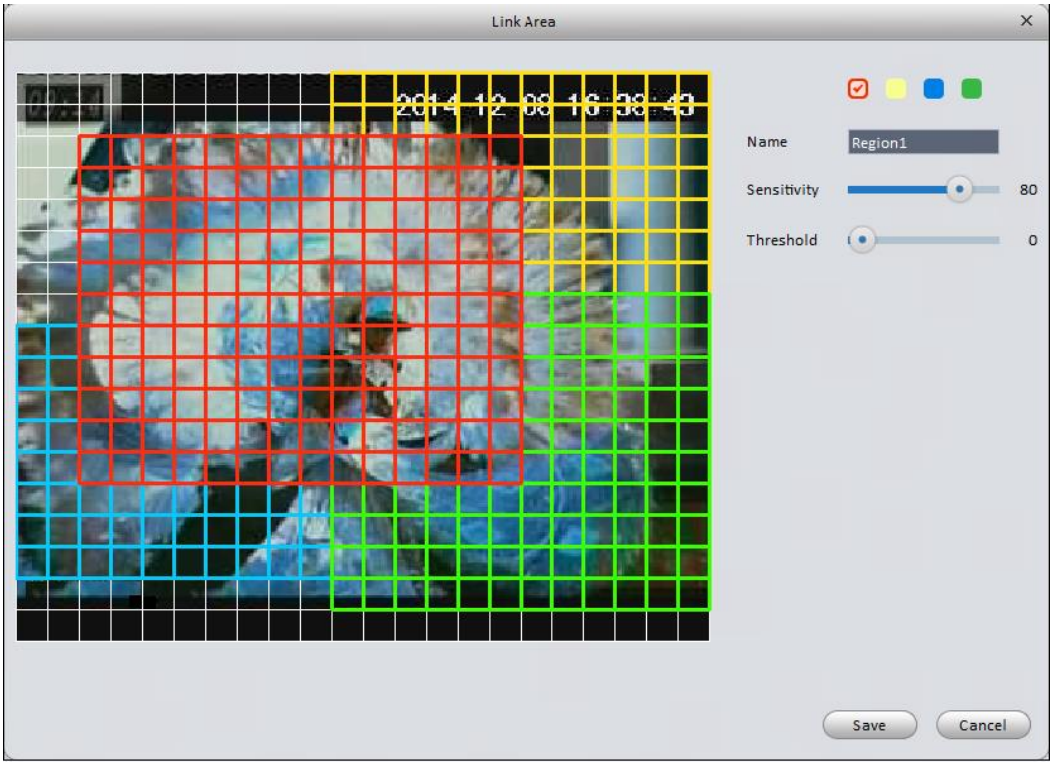

Figure 3-35

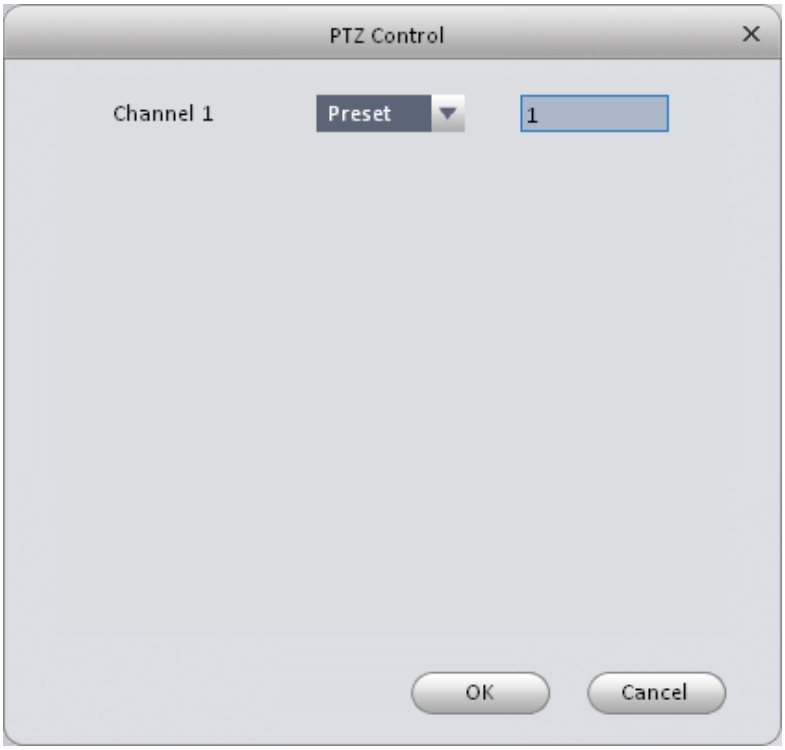

Figure 3-36

Please refer to the following table for added information.

Parameter	Function
Enable	You need to check the box to enable the motion detection function.

Parameter	Function
Arm/disarm Period	The motion detection function becomes activated during the specified periods. See Figure 3-32. There are six periods in one day. You can click this icon  to configure them (Figure 3-33) or use the mouse to draw the corresponding period directly on the time bar (Figure 3-34). Click the OK button and the system will go back to motion detection interface, then click the OK button to exit.
Anti-Dither	The system can only memorize one event during the anti-dither period. The value ranges from 5 to 100seconds.
Zone	You can click this button to set motion detection zone. The interface is as shown in Figure 3-35. You must remember to click the OK button to save your motion detection zone setup.
Record Channel	If you select this parameter, then you can perform the recording of a motion detection alarm onto this channel. Please note you need to select Auto Record in the Record -> Record Control
Record Delay	The system can delay the recording for a specified amount of time after the alarm has stopped.
Upload To Cloud	Check if you wish to upload to the Cloud.
Alarm Output	Enables the alarm activation function. You need to select an alarm output port so that the system can activate the corresponding alarm device when an alarm occurs.
Delay Time	The system can delay the alarm output for a specified amount of time after an alarm has stopped.
Show Msg	If you enable this function, the system will display a message to notify you in the local host screen.
Buzzer	Check the box here to enable this function. The buzzer will beep when an alarm occurs.
Alarm Upload	The system can upload an alarm signal to the alarm centre.
Send Email	If you enabled this function, the system will send out an email to alert you when an alarm occurs.
SMS	If you enabled this function, the system will send out a message to the specified phone to alert you when an alarm occurs.
Tour	You need to check the box here to enable this function. The system will start displaying a 1 window or multiple windows tour among the channel(s) you have set up to record when an alarm occurs.
PTZ Activation	Here you can set the PTZ movements when an alarm occurs. See Figure 3-36.

3.6.2.2 Alarm

Before operating, please make sure you have properly connected all the alarm devices, such as the buzzer. The input mode includes the local alarm and the network alarm.

The local alarm interface is shown in Figure 3-37.

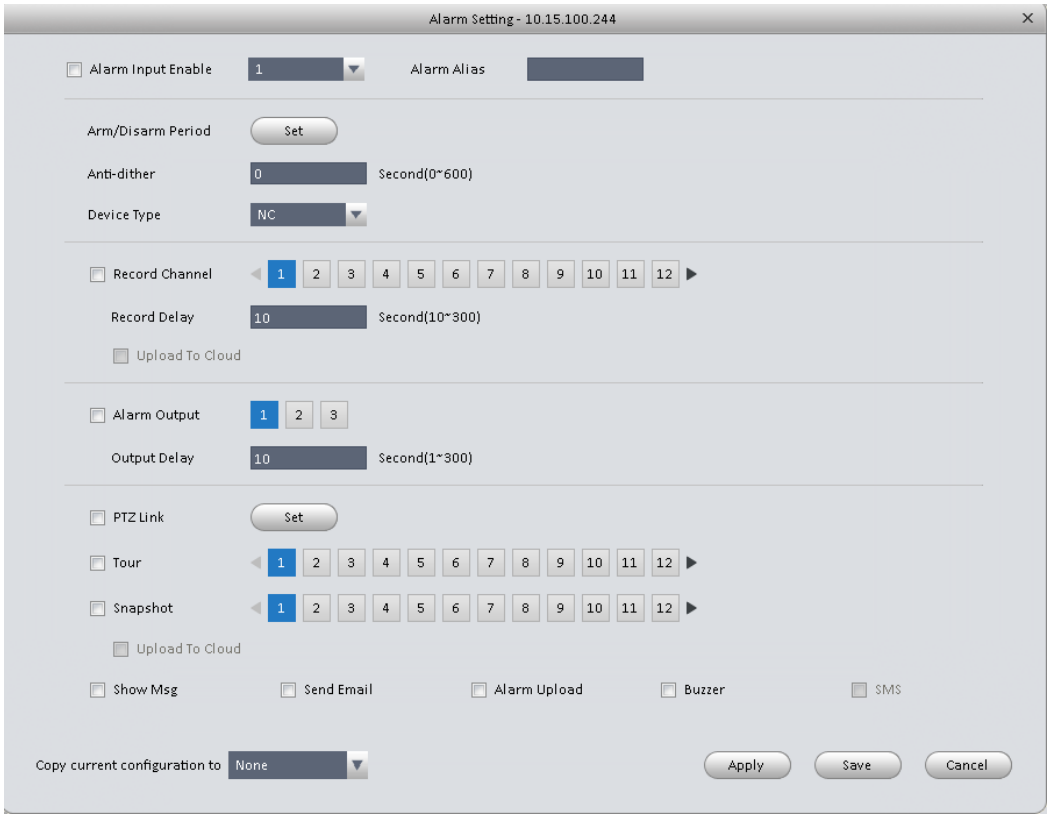

Figure 3-37

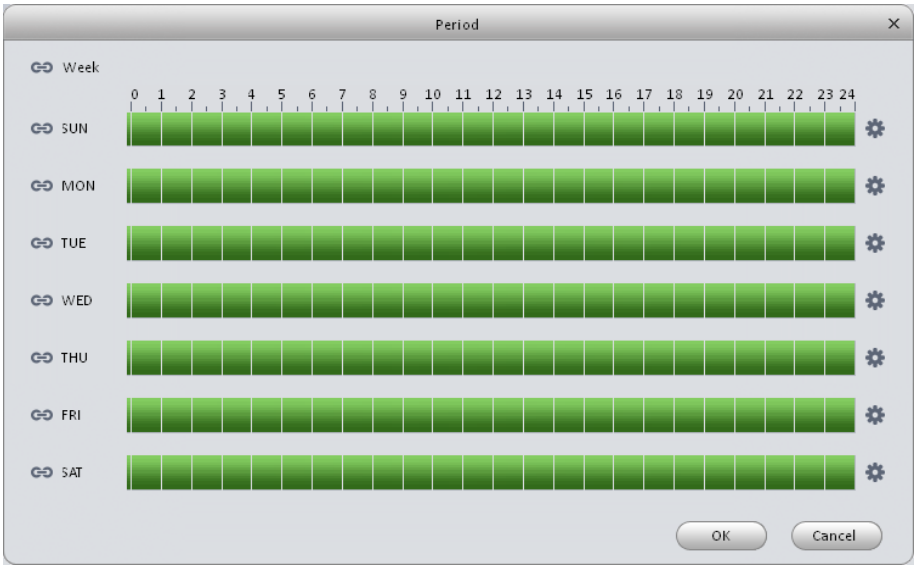

Figure 3-38

Figure 3-39

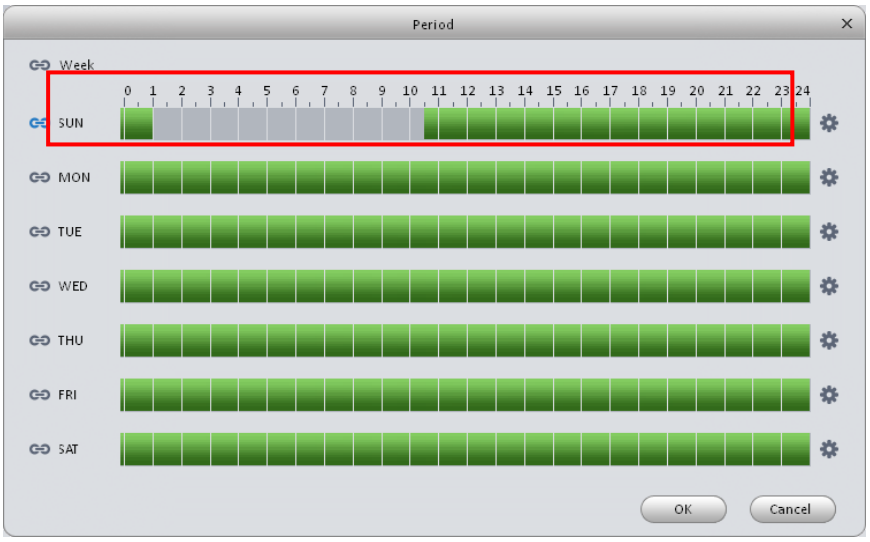

Figure 3-40

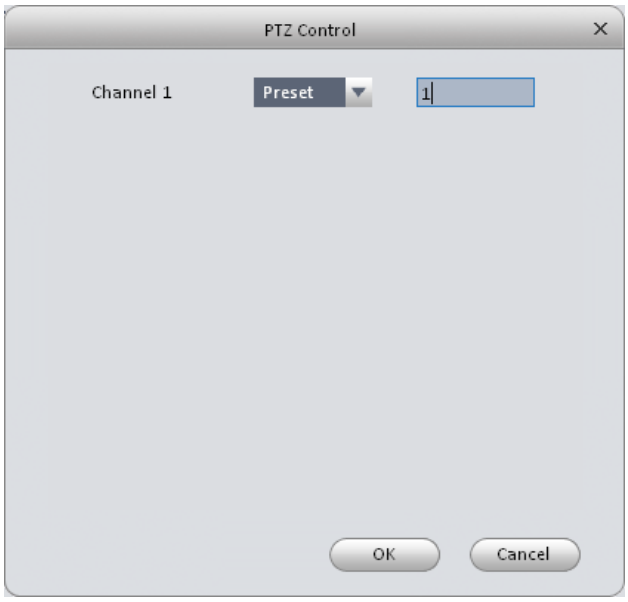

Figure 3-41

Please refer to the following table for added information.

Parameter	Function
Enable	You need to check the box to enable this function. Please select a channel from the dropdown list.
Arm/Disarm Period	This function becomes activated during the specified periods. There are six periods in one day. See Figure 3-38. You can click this icon  to configure the periods (Figure 3-39) or use the mouse to draw the corresponding period directly on the time bar (Figure 3-40). Click the OK button, the system will go back to the alarm interface, then click the OK button to exit.
Anti-Dither	The system only memorizes one event during the anti-dither period.
Device (Sensor) Type	There are two types: NO/NC.
Record Delay	The system can delay the recording for a specified amount of time after an alarm has ended.
Output Delay	The system can delay the alarm output for a specified amount of time after an alarm has ended.
Record Channel	If you select this parameter, can you perform the recording of a local alarm on this channel. Please note you need to select Auto Record in Record -> Record Control
Record Delay	This means that when an alarm linking ends, the recording delays for a certain period of time before the alarm stops.
Alarm Output	Here you can enable the alarm activation function. You need to select the alarm output port so that the system can activate the corresponding alarm device when an alarm occurs.
Show Msg	The system will display a message in the local host screen to notify you, if this function is enabled.
Buzzer	Check the box here to enable this function. The buzzer will beep when an alarm occurs.
Alarm Upload	The system can upload the alarm signal to the alarm centre.
Send Email	If you enabled this function, the system can send out an email to alert you when an alarm occurs.
SMS	If you enabled this function, the system can send out a message to a specific phone number to alert you when an alarm occurs.
Tour	You need to check this box to enable the tour function.
Snapshot	If you select this parameter, then the channel is configured with the alarm snapshot function.

3.6.2.3 Abnormality

An abnormality can include one of these six statuses: no device, no space, device error, net offline, IP address conflict and MAC address conflict. See Figure 3-42 through 3-47.

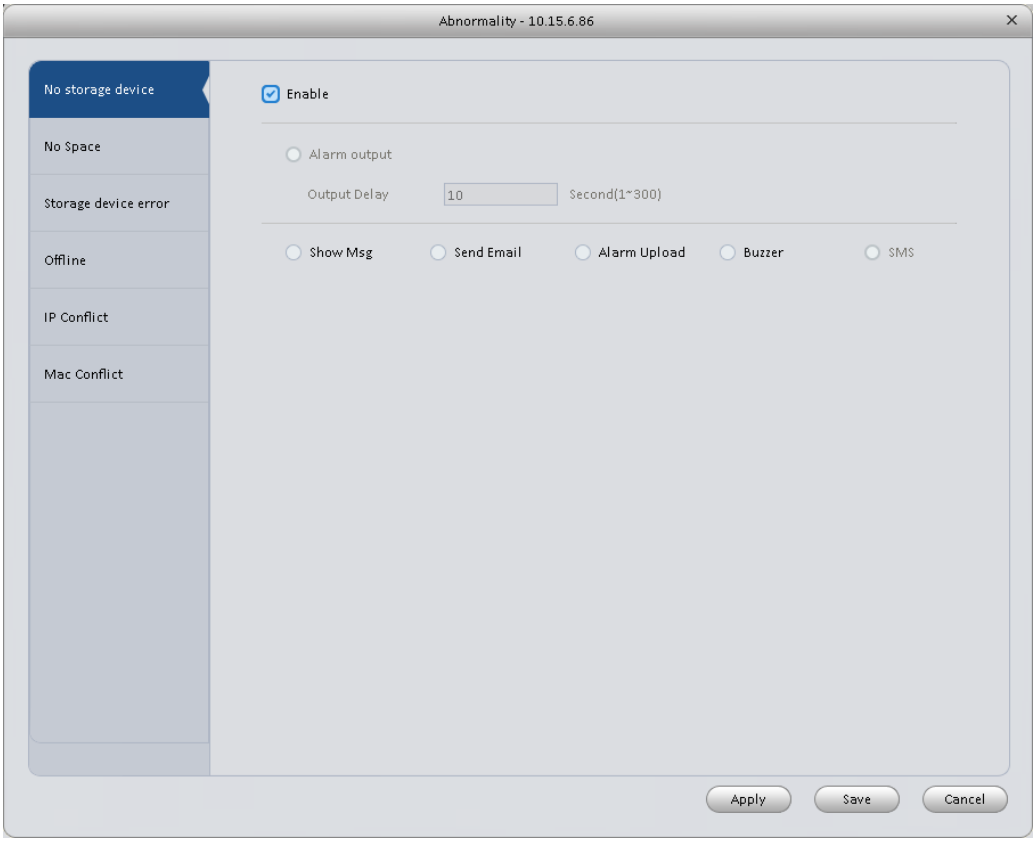

Figure 3-42

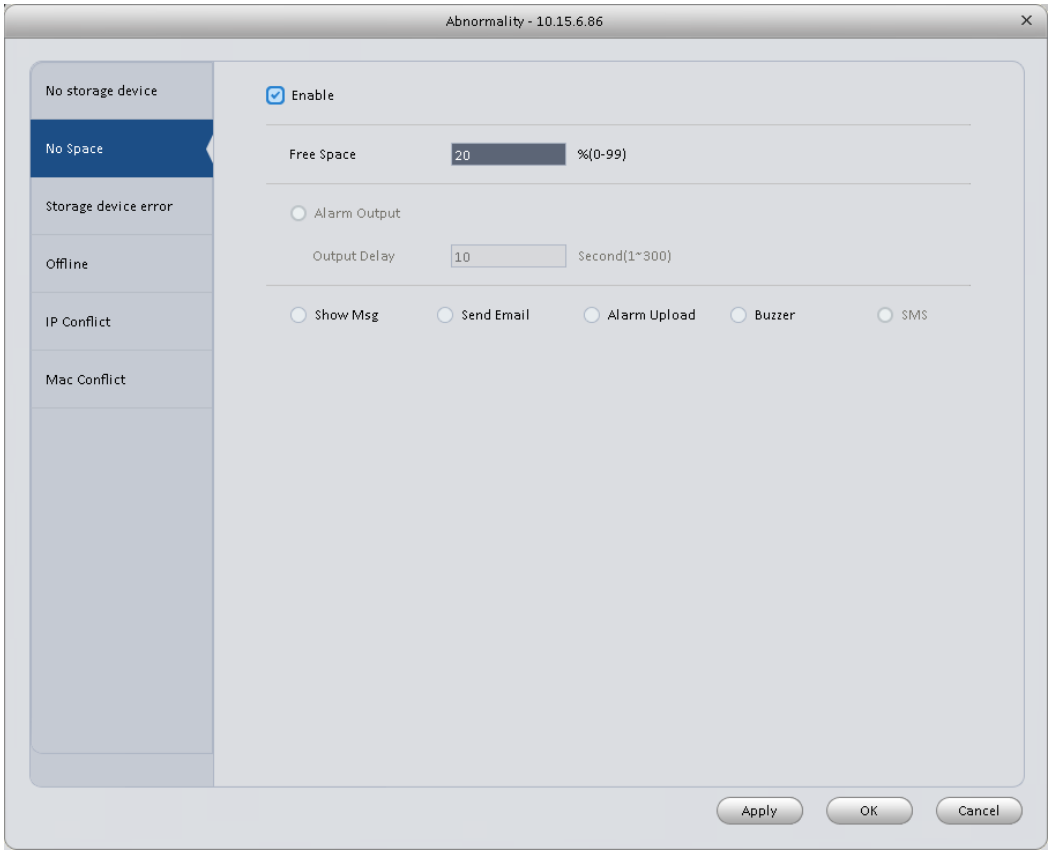

Figure 3-43

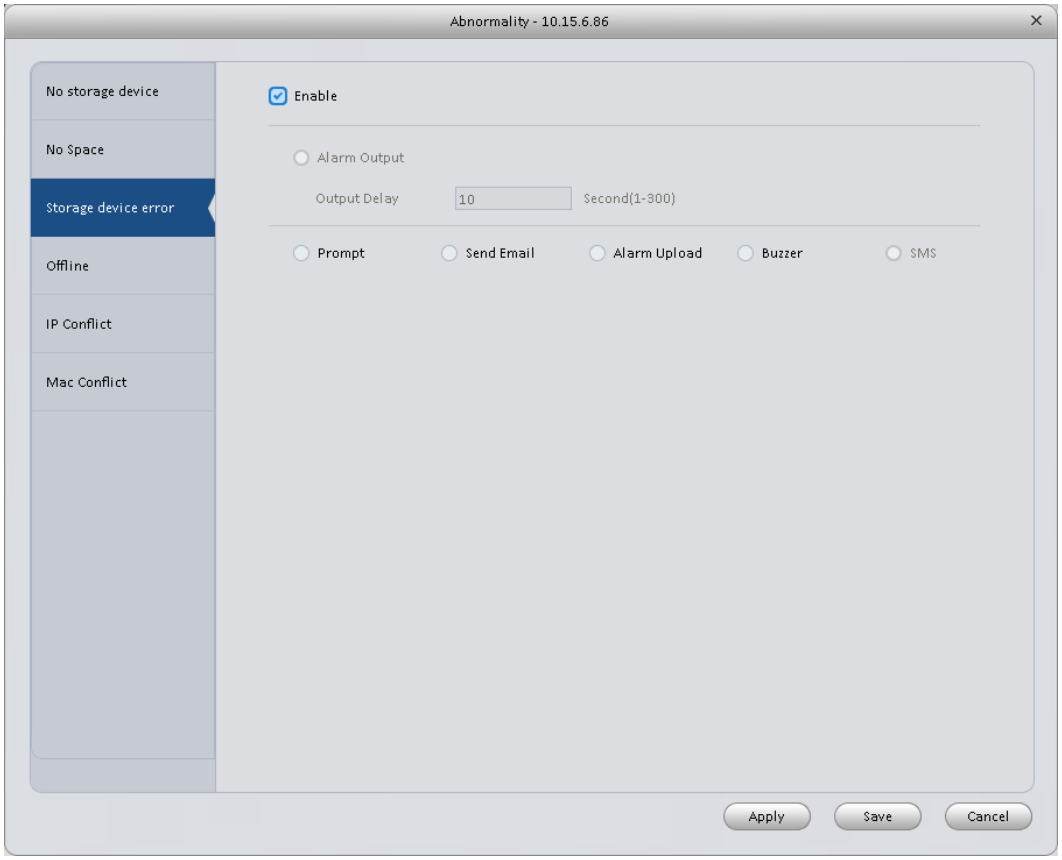

Figure 3-44

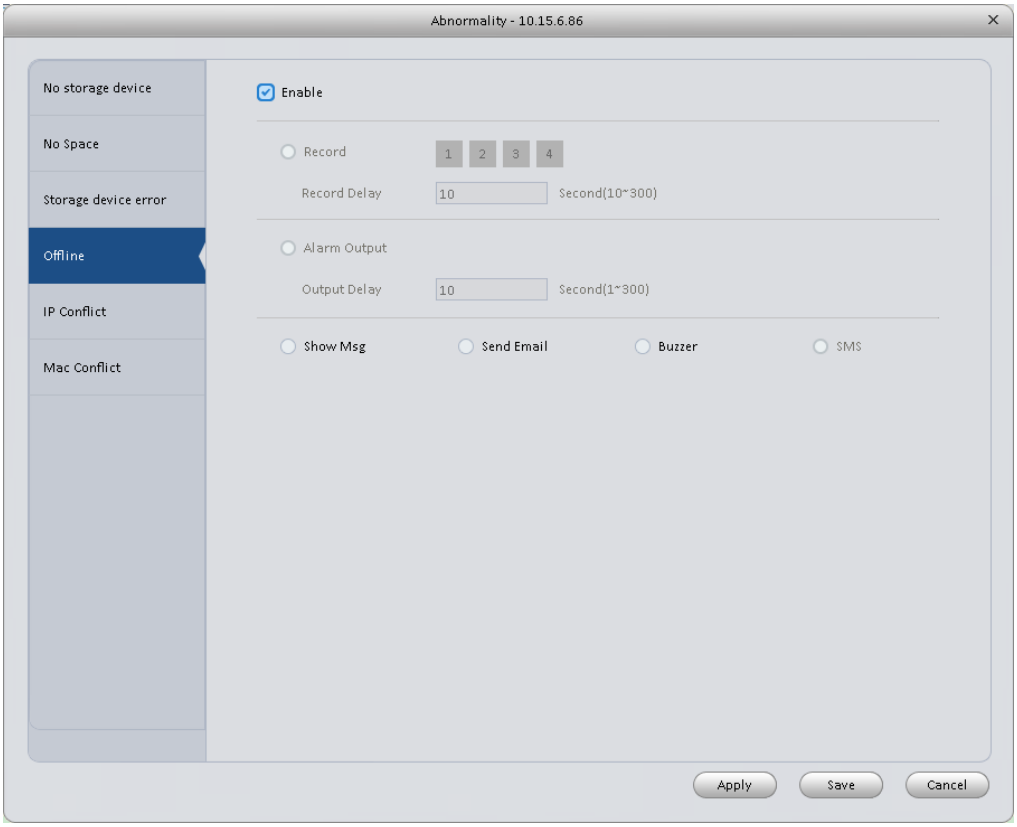

Figure 3-45

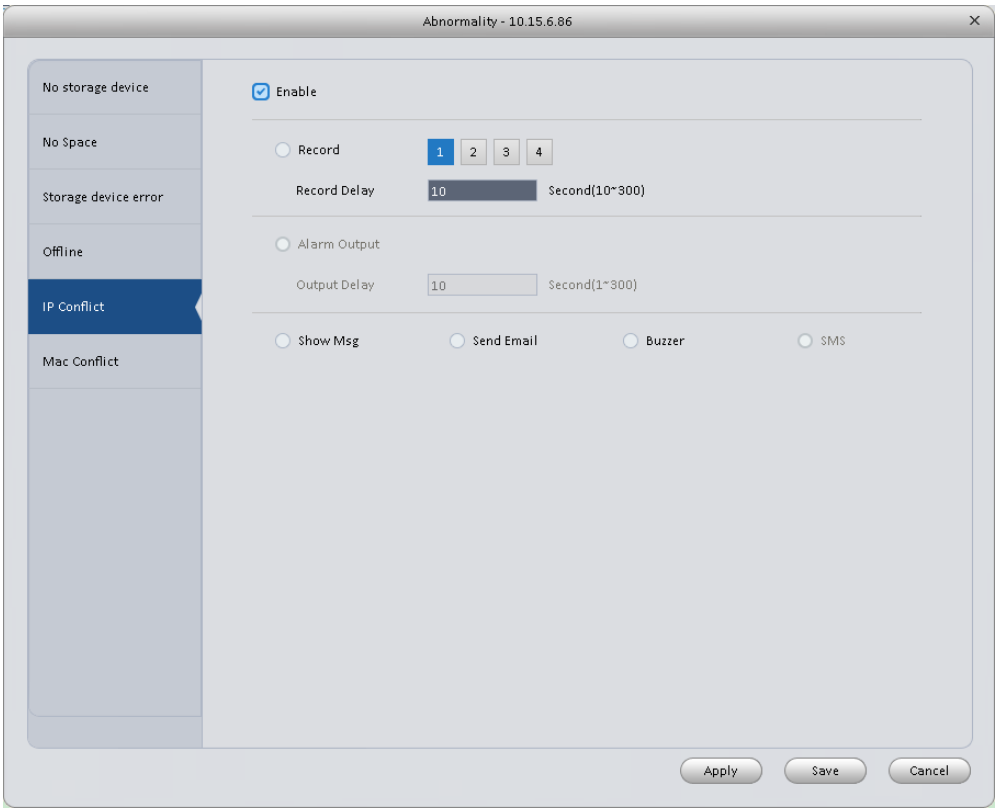

Figure 3-46

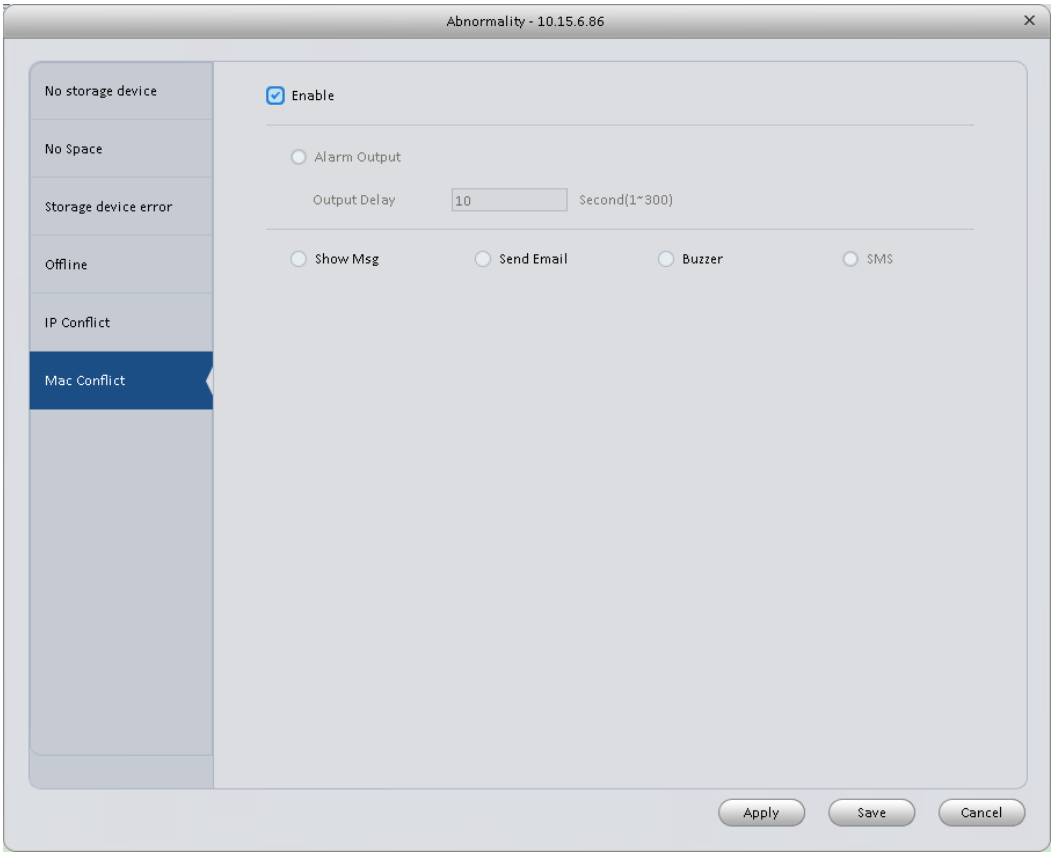

Figure 3-47

Please refer to the following table for added information.

Parameter	Function
Enable	Check the box here to enable this function.
Alarm Output	Please select the corresponding alarm output channel for when an alarm occurs. You need to check the box here to enable this function.
Output Delay	The alarm output can delay for a specific amount of time after an alarm has stopped.
Show Msg	If this function is enabled, the system will display a message in the local host screen to notify you.
Alarm Upload	The system can upload the alarm signal to the alarm centre.
Send Email	If you enable this function, the system will send out an email to alert you when an alarm occurs.
Buzzer	Check the box here to enable this function, consequently the buzzer will beep when an alarm occurs.
SMS	If you enable this function, the system will send out a message to the telephone number specified to alert you when an alarm occurs.

3.6.2.4 Smart Configuration

STORM VMS supports the addition of smart IP cameras and the configuration of the added intelligent devices, including the configuration of audio detection and face recognition. Once the configuration is complete, you can go to the live interface to preview. Please refer to Chapter 4.1.1.

See Figure 3-48.

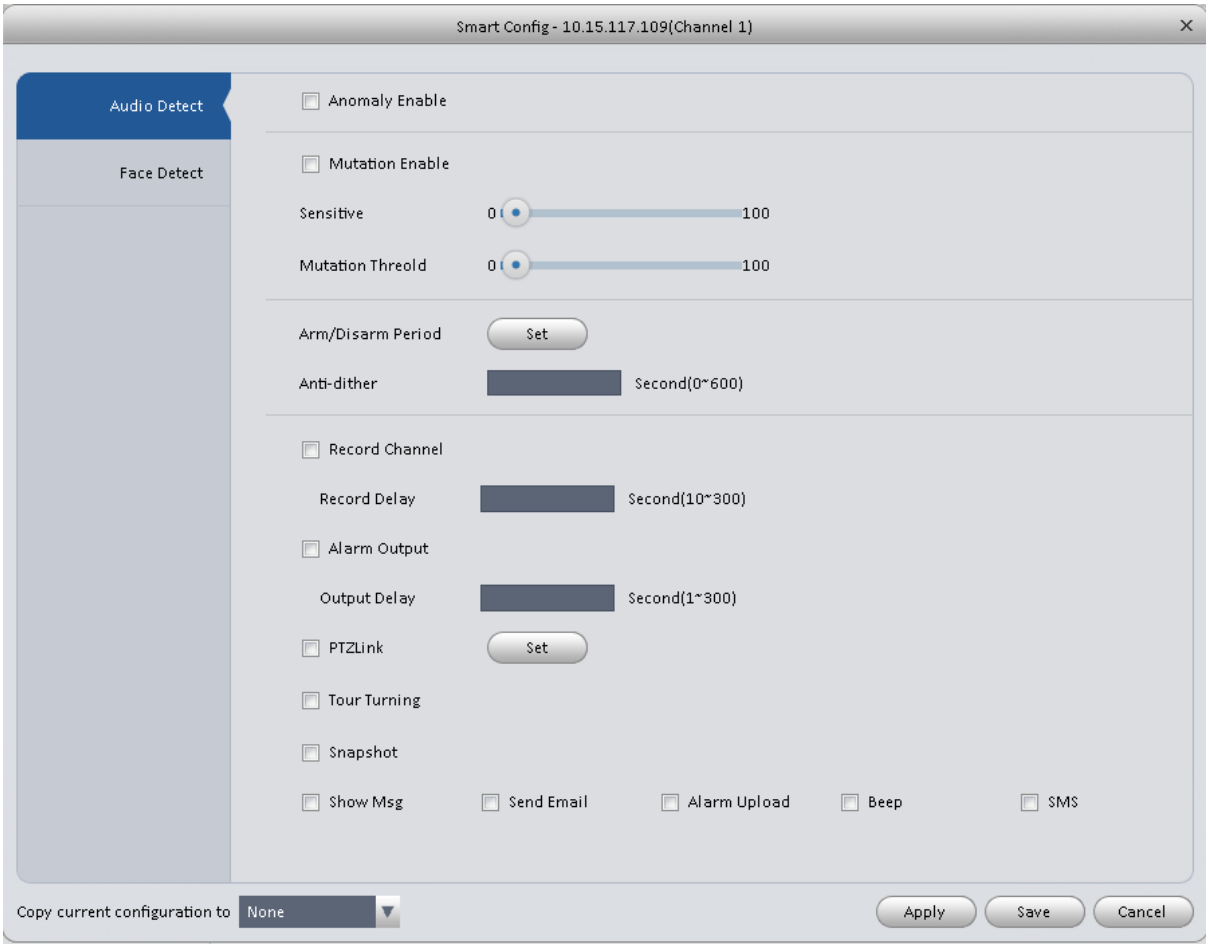

Figure 3-48

Parameter	Note
Anomaly Enable	If this parameter is enabled, the audio detection alarm is enabled.
Mutation Enable	Allows you to configure the sensitivity and mutation thresholds. If this parameter is selected, the mutation detection is enabled. Sensitivity： the adjustable level ranges from 1 to 100. The smaller the value is, the more the change in volume of the input sound exceeds the constant environmental sound and is judged as being an abnormal audio. The user shall adjust according to the actual environment. Mutation Threshold：the adjustable level ranges from 1 to 100. It is used to set a filter to the intensity of the environmental sounds. If the environmental noise is high, then you shall set this value to high. Please set and adjust according to the actual environment.
Arm/Disarm Period	Set an alarm arm/disarm period. Click on the Set button to display the Arm/Disarm Period box for its configuration.

Parameter	Note
Anti-Dither	To register only one motion detection event within the period. The value may range between 0 and 100seconds.
Record Channel	If this parameter is selected, then there will be an alarm recording of the channel. Go to “Record -> Record Control” and select Auto Record.
Record Delay	When the alarm linking stops, the recording of motion detection will continue for a certain period of time before it stops.
Alarm Output	If this parameter is selected, then the port for the alarm link output is enabled, therefore, when an alarm occurs, it can link to the corresponding alarm output device.
Output Delay	This means that when the alarm linking ends, the alarm will continue for a period of time before it stops.
Snapshot	If this parameter is selected, this channel will be configured with the motion detection snapshot function.
Send EMAIL	If this parameter is selected, the system will send out an Email to the user when an alarm occurs.
Alarm Upload	If this parameter is selected, an alarm signal will be sent to the alarm center when an alarms occurs.
SMS	If this parameter is selected, the user will receive an SMS when an alarm occurs.

The Face Detect interface is represented in Figure 3-49.

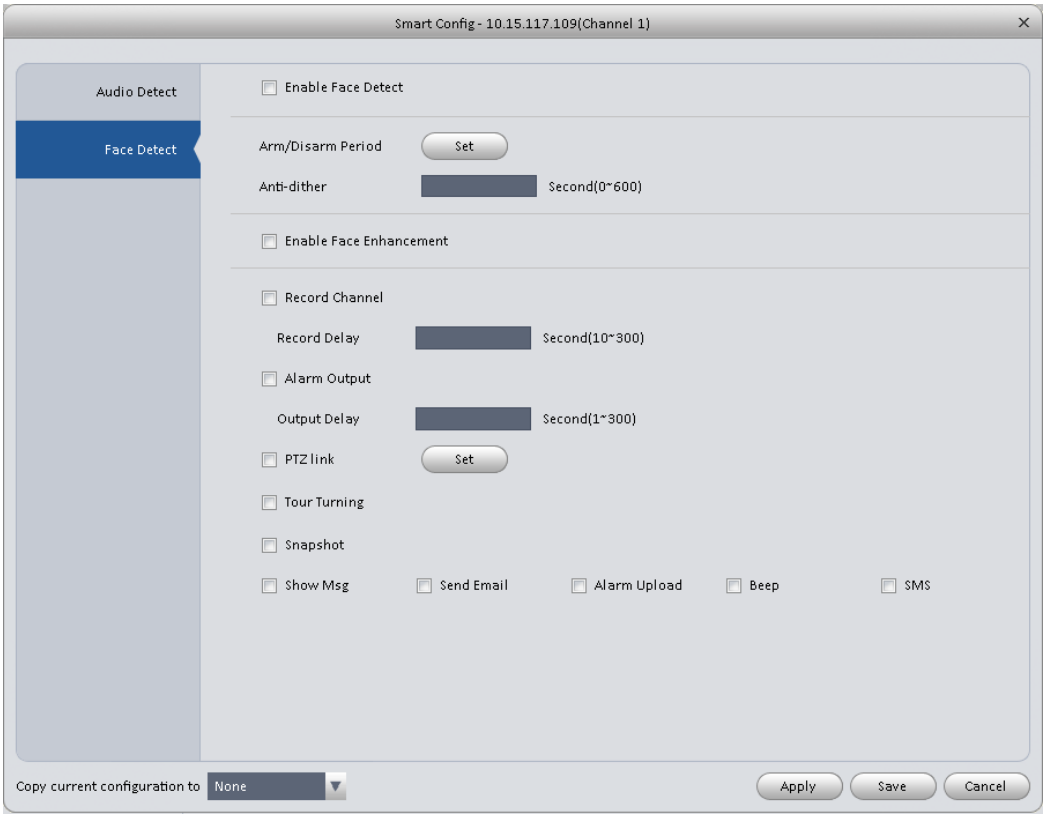

Figure 3-49

Parameter	Note
Enable	If this parameter is selected, it will link the alarm.
Arm/Disarm Period	To set the alarm arm/disarm period. Click the Set button to display and configure the arm/disarm period box.
Enable Face Enhancement	If this parameter is selected, the dynamic aspect is enabled.
Record Channel	If this parameter I selected, the channel will record an alarm. Go to “Record -> Record Control” and select “Auto Record”.
Record Delay	When the alarm linking ends, the motion detection is delayed for a period of time.
Alarm Output	If this parameter is selected, the port for the output of the alarm linking may link to the alarm output device when an alarm occurs.
Output Delay	When an alarm link ends, the alarm is delayed for a period of time.
Snapshot	If this parameter is selected, then the dynamic snapshot function for this channel will be configured.
Send EMAIL	If this parameter is selected, then and Email is sent to the user when an alarm occur.
Alarm Upload	If this parameter is selected, an alarm signal will be sent to the alarm centre when an alarms occurs.

Parameter	Note
SMS	If this parameter is selected, the user will receive an SMS when an alarm occurs.

3.6.3 Recording/Storage

3.6.3.1 Schedule

The configuration of recordings is composed of the recording Schedule (Record Plan) and the Record Control.

- Record Pan (Schedule): allows for recordings to happen during set periods.
- Record Control: for selecting the recording mode.

You can set the desired period in order to enable the recording schedule function. Follow the steps listed below to configure the recording schedule.

1) Click the Schedule button to move to the following interface. See Figure 3-50.

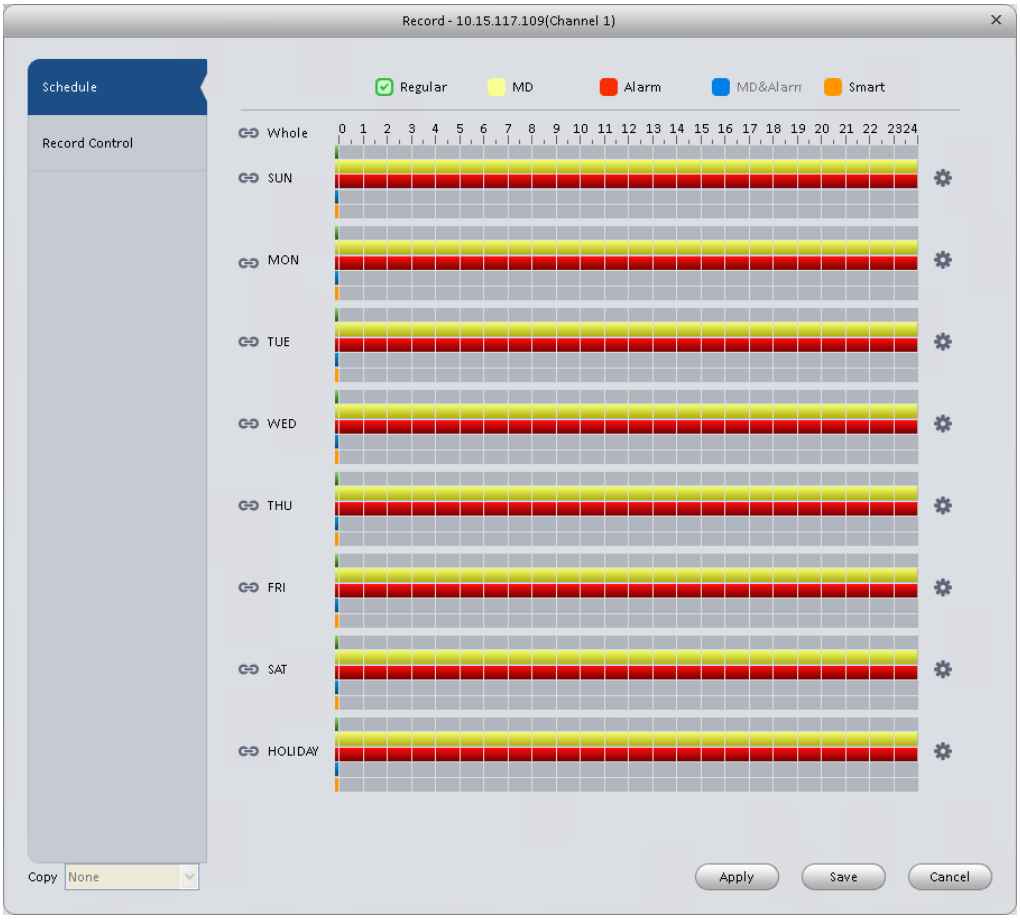

Figure 3-50

2) Click this button  located next to the corresponding date. The following interface will be displayed. See Figure 3-51.

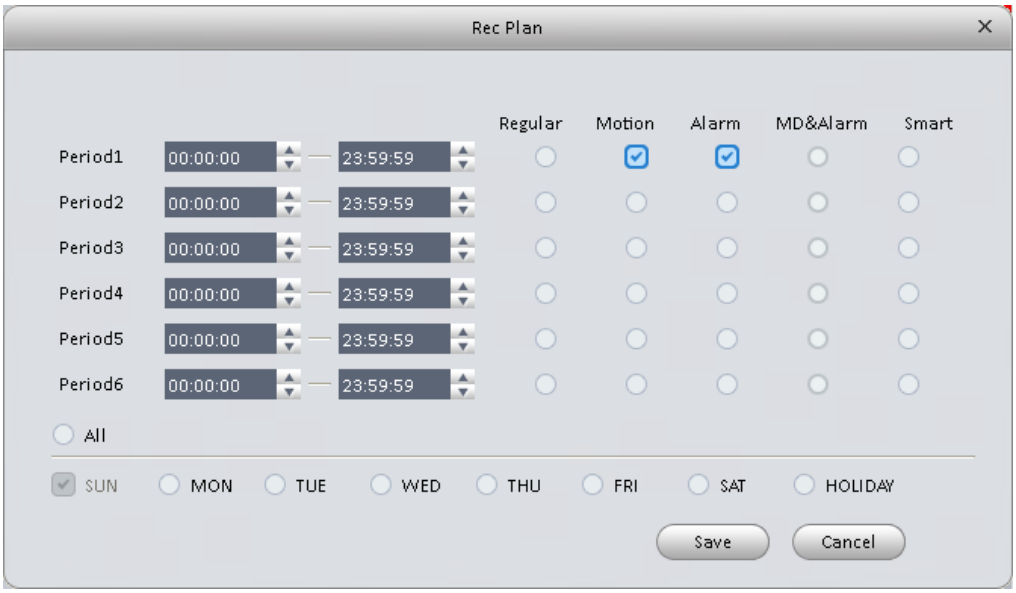

Figure 3-51

3) Configure the recording period and check the boxes corresponding to the type of recording. Click the SAVE button and the following interface as in Figure 3-52 will be displayed.

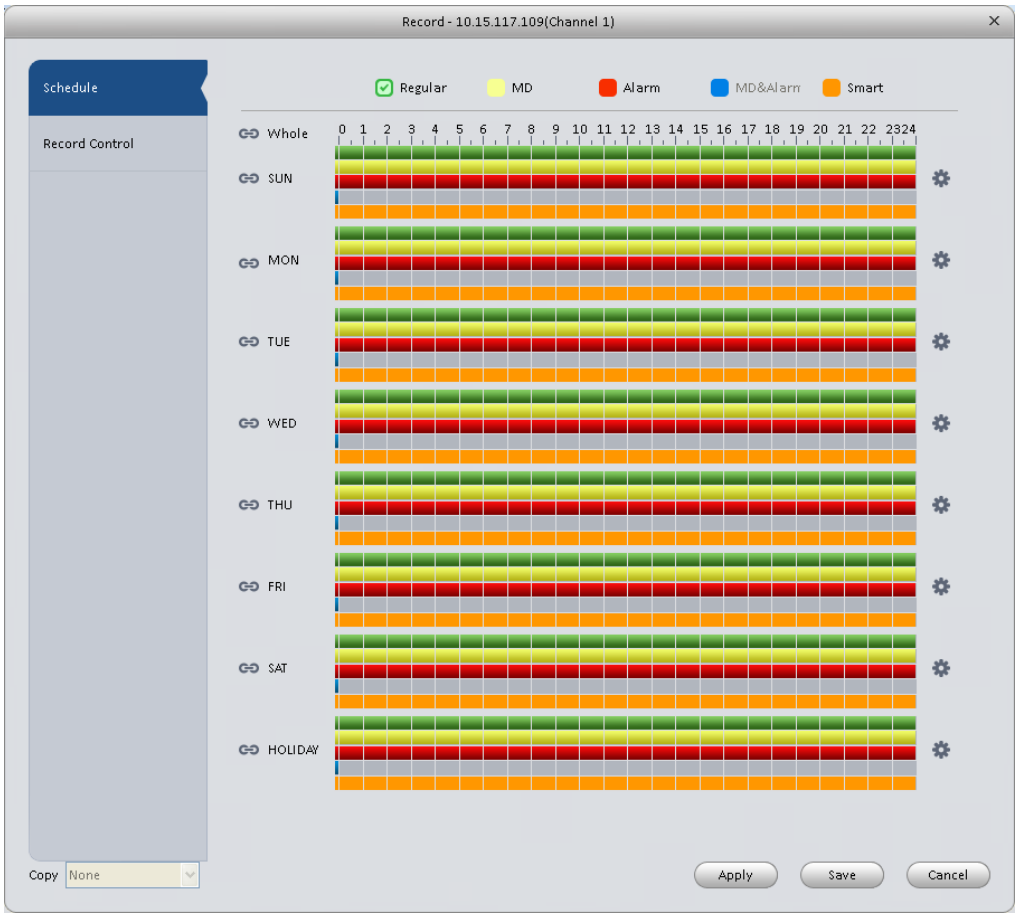

Figure 3-52

Here is what the color bars of the configured time periods represent:

- The Green colored bar stands for General recording.
- The Yellow colored bar stands for the Motion Detection recording.
- The Red colored bar stands for the Alarm recording.
- The Blue colored bar stands for MD & Alarm recording.

Tips

Choose the channel you want, then click the SAVE button to copy the current configuration.

3.6.3.1.1 Record Control

It is for you to configure the Record Control mode. See Figure 3-53.

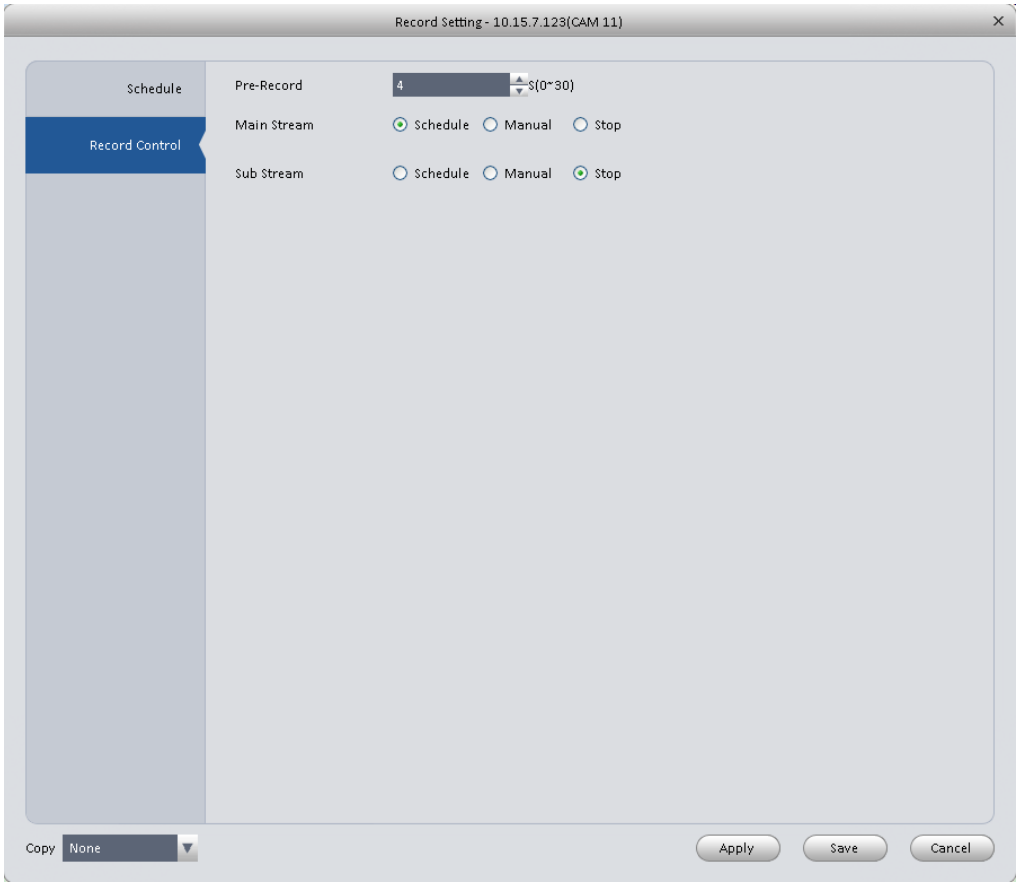

Figure 3-53

Please refer to the following table for added information.

Parameter	Function
Pre-Record	Please input the pre-recording time here.
Main Stream	It allows you to set the recording mode for the main stream: Schedule/Manual/Stop.
Sub Stream	It allows you to set the sub stream recording mode: Schedule/Manual/Stop.

3.6.3.2 Disk

3.6.3.2.1 Local Storage (Local Store)

The local storage interface is as shown in Figure 3-54. Here you can save data to the local SD card or the hard disk drive and view the health status of the hard disk drive.

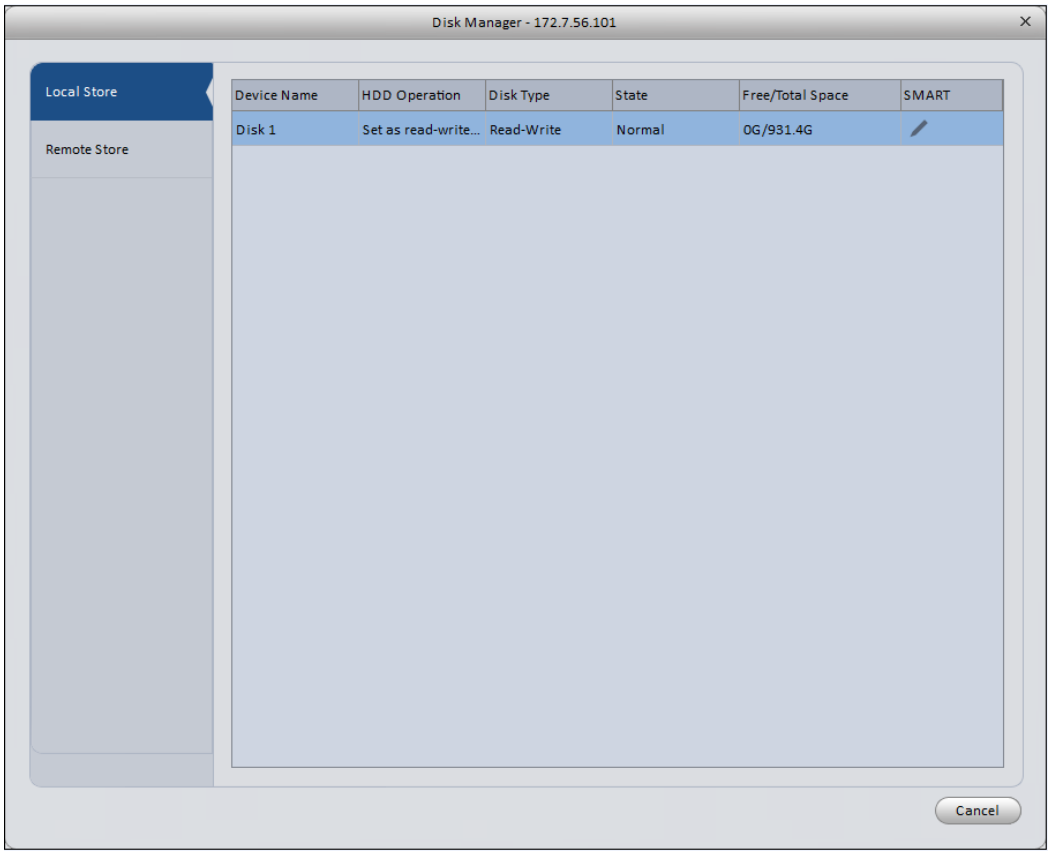

Figure 3-54

3.6.3.2.2 Remote Storage (Remote Store)

Here you may upload data to a PC via the FTP protocol. See Figure 3-55.

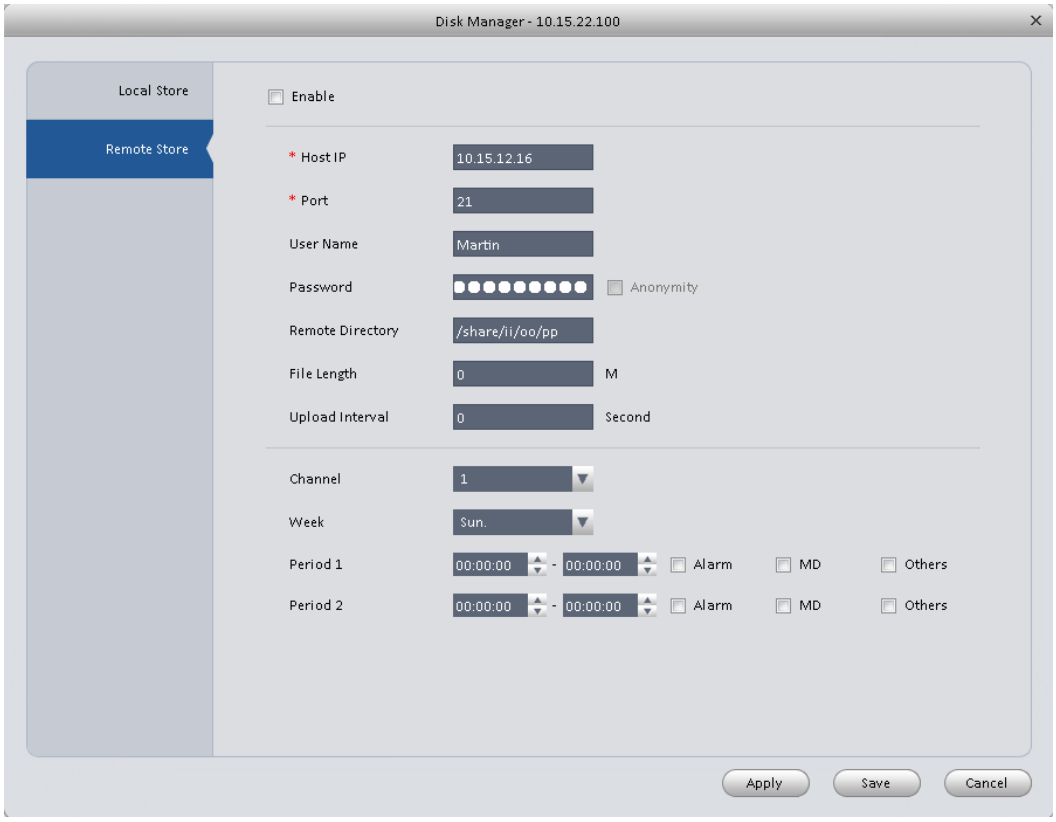

Figure 3-55

3.6.4 Maintenance

3.6.4.1 Account

Here you can add/modify/delete a group or a user. The system's default user group is admin/user. The system's default user is admin/888888/666666.

Click the Account button in the Signals interface and then click the Role button. See Figure 3-56.

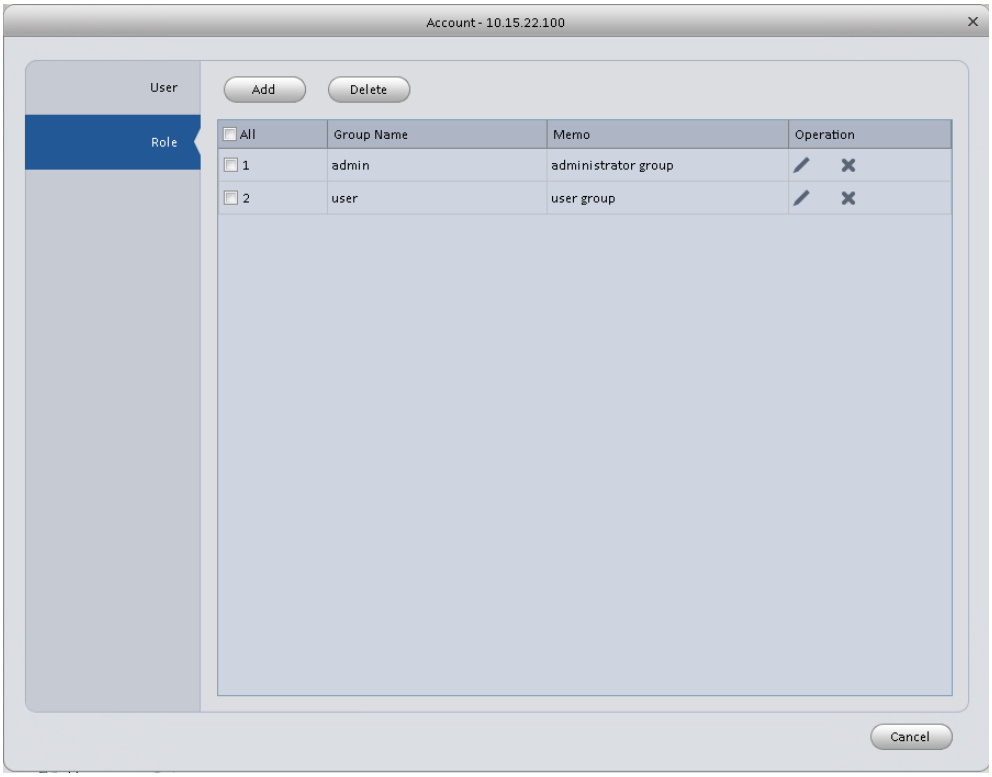

Figure 3-56

Click the Add button, the system will display the following interface. See Figure 3-57. Please input a Group Name and then select the corresponding rights. You can also enter information (Memo) for your personal reference if necessary. Click the OK button to exit.

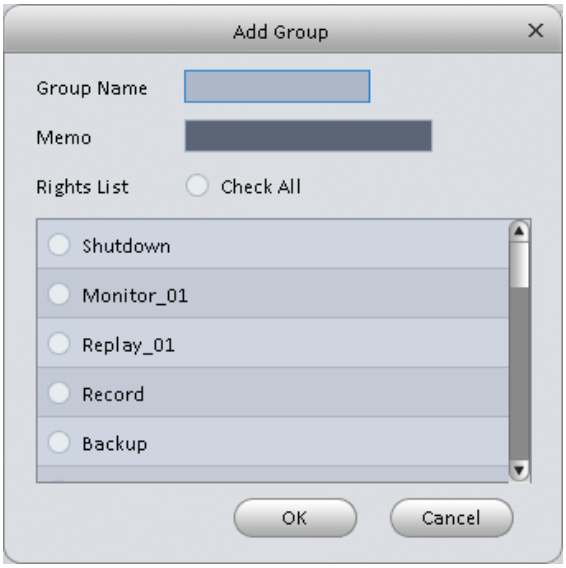

Figure 3-57

Go to the User interface, here you can add/remove a User and modify a User Name. See Figure 3-58.

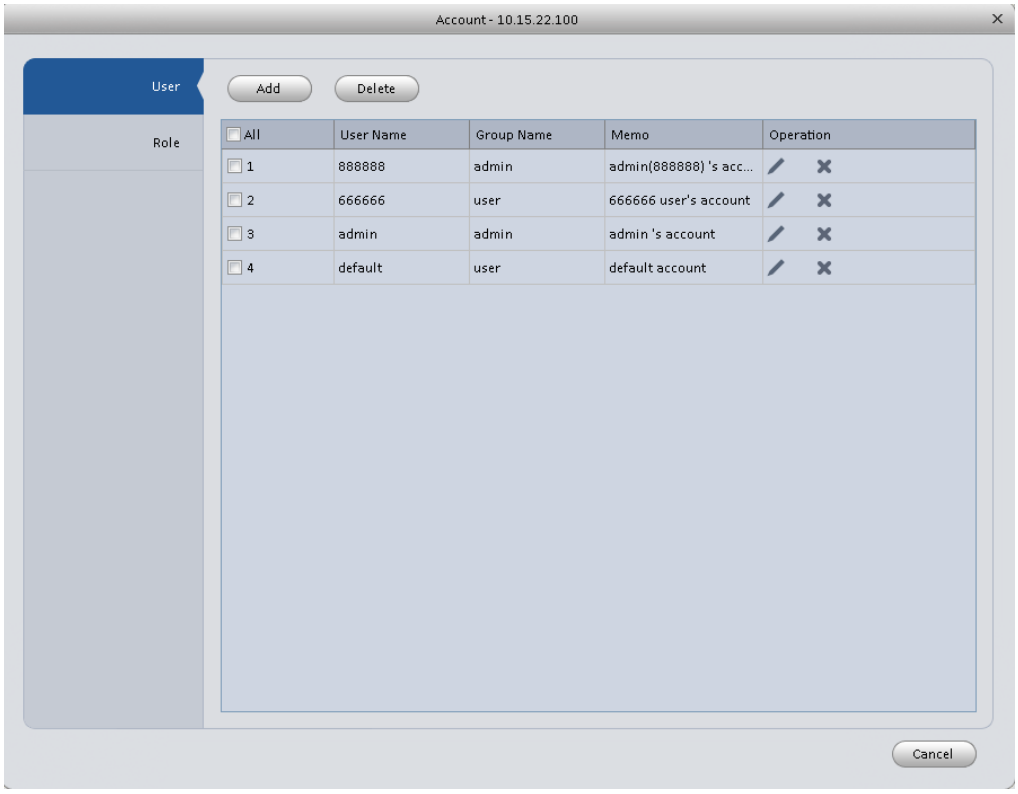

Figure 3-58

Click the Add button and the following interface will appear, see Figure 3-59. Please enter the User Name, the Password and select a Group from the dropdown list. Select its corresponding rights and then click the OK button.

Tips

If you want multiple users to use this account at the same time, you need to check the box Reusable next to the User Name.

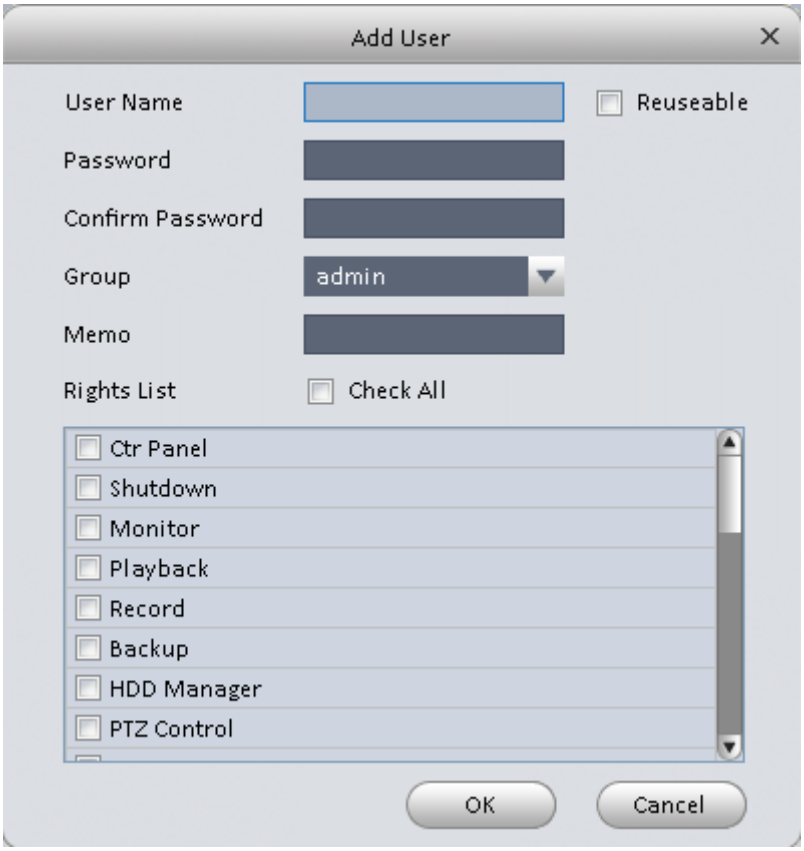

Figure 3-59

3.6.4.2 Maintenance

3.6.4.2.1 Host

Here you can set the system's time, the date format, the recording period, etc. See Figure 3-60.

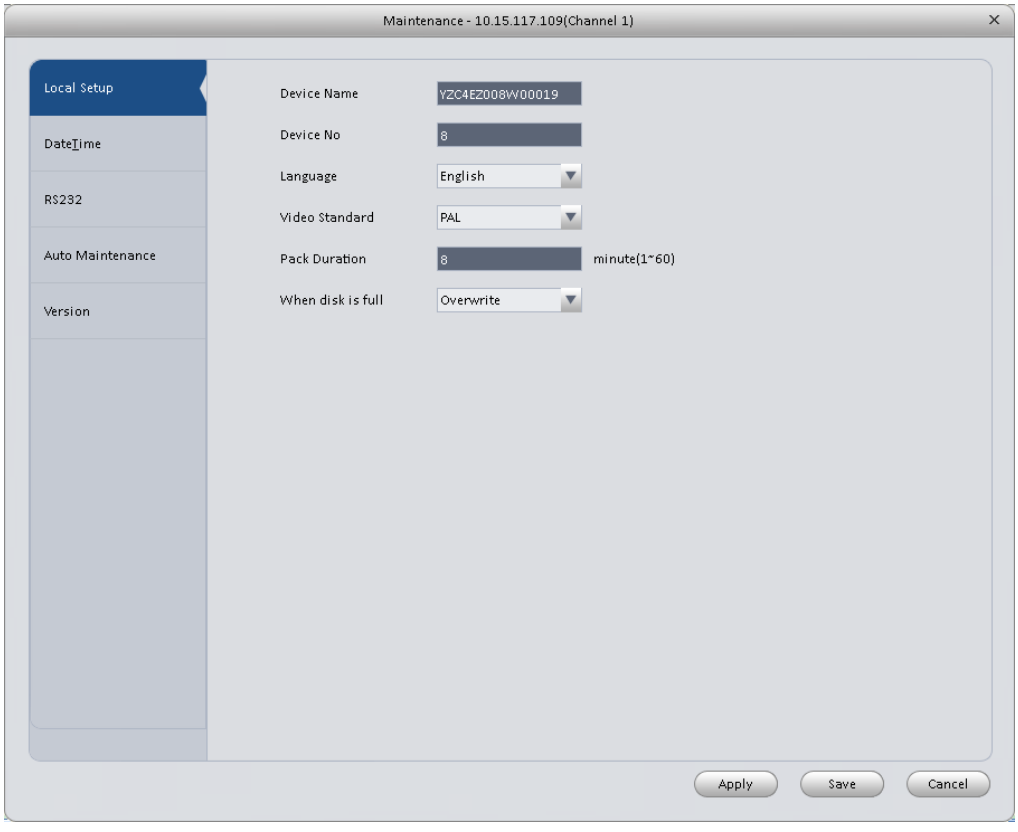

Figure 3-60

Please refer to the following table for added information.

Parameter	Function
Device Name	Allows you to set the device's name.
Device No	When you are using a remote control to manage multiple devices, you can allocate a number to the devices. Before operating, please make sure you have clicked the address button on the remote control and that you have entered a number for the current device.
Language	Here you can select the language using the dropdown list. **Please note the device needs to reboot for the modification to be activated.**
Video Standard	This is to display the video standard, such as PAL.
HDD full	Here you can select the operating mode when the hard disk is full. There are two options: Stop recording or Rewrite. • If the current HDD is Overwritten or the current HDD is full while the next HDD is not empty, then the system stops recording, • If the current HDD is full and the next HDD is not empty, then system overwrites the previous files.
Pack Duration	This is where you can specify the duration of the recording.

3.6.4.2.2 DateTime

The date and time interface is represented in the Figure 3-61.

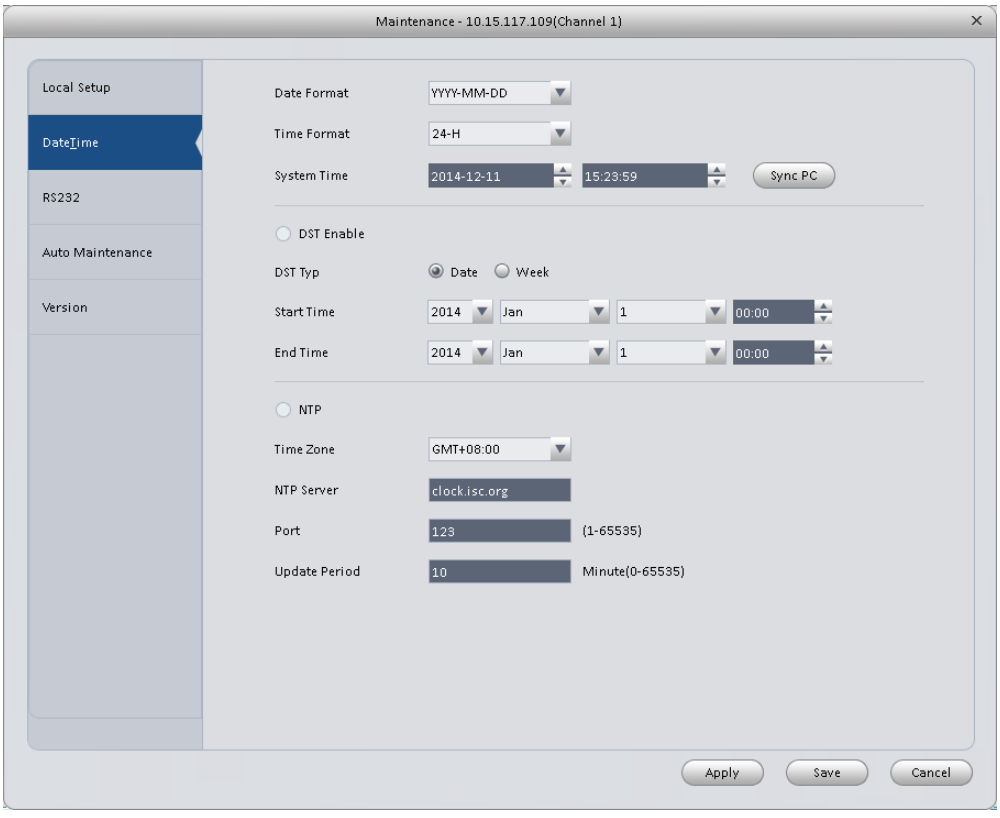

Figure 3-61

Please refer to the following table for added information.

Parameter	Function
Date Format	Here you can select the date format from a dropdown list.
Time Format	There are two options: 24-H and 12-H.
Time Zone	This is the time zone of the device.
System Time	Allows you to set the system's time. It becomes valid after you set it.
Sync PC	You can click this button to save the system's time as your PC's current time.
DST Enable	Here you can set the start and end time of daylight saving time. You can set this in the format of a date or a week.
NTP	You can check this box to enable the NTP function.
NTP Server	You can set the address of the time server.
Port	It is to set the port of the time server.
Update Period	It is to set the synching periods between the device and the time server.

3.6.4.2.3 RS232

The RS232 interface is as shown in Figure 3-62.

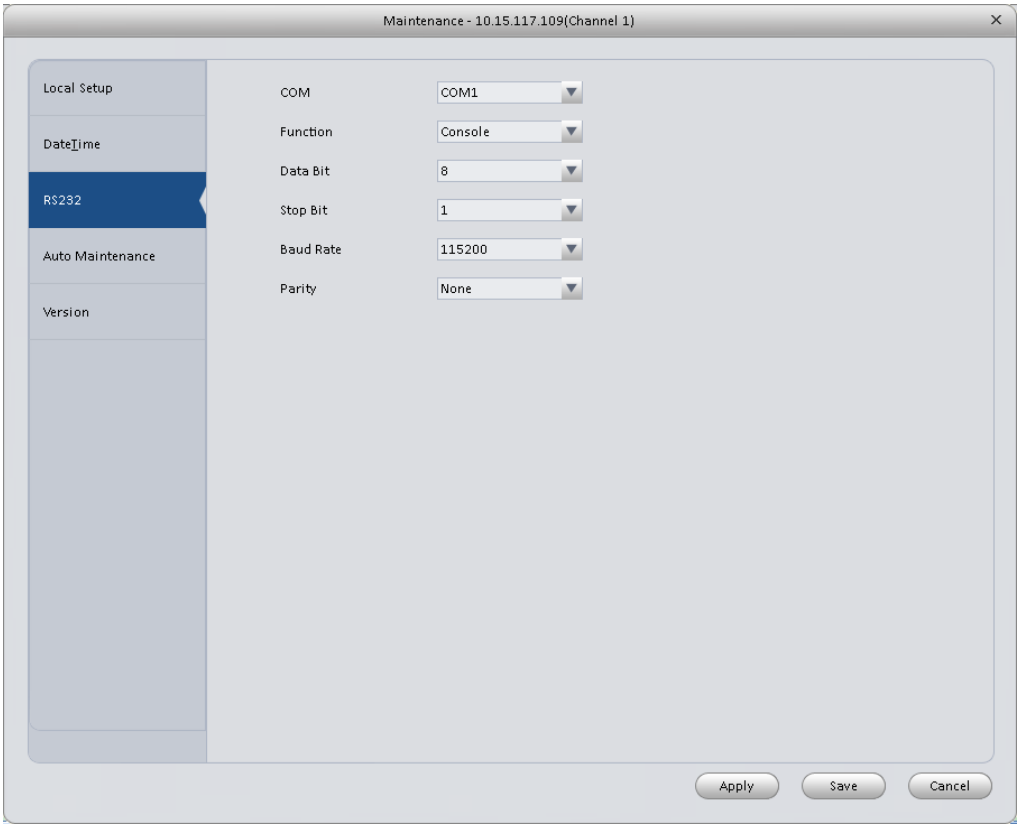

Figure 3-62

Please refer to the following table for added information.

Parameter	Function
COM	You can make a selection from the dropdown list.
Function	There are various devices for you to select. ● Console - for you to use the COM or to upgrade or debug the program. ● The control keyboard - for you to control the device via a special keyboard. ● Transparent COM (adapter) – for you to connect to the PC and transfer data directly. ● Protocol COM – for the card overlay function. ● Network keyboard - for you to use the special keyboard to control the device.
Baud Rate	The default configuration value is 115200.
Data Bit	The default configuration value is 8.
Stop Bit	The default configuration value is 1.
Parity	The default configuration value is none.

3.6.4.2.4 Auto Maintenance

Here you can configure the time for the Auto Restart and the Auto Delete Files. You can set to delete old files on specific days. See Figure 3-63.

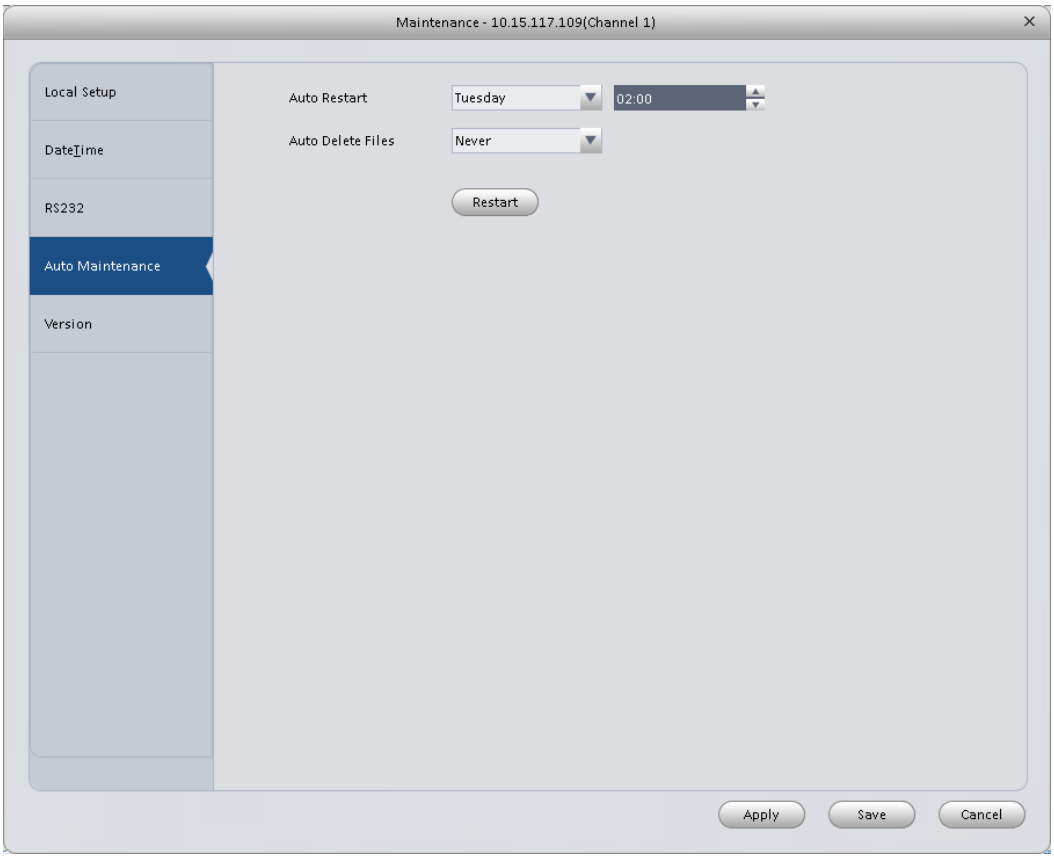

Figure 3-63

3.6.4.2.5 Version

The Version interface is shown in Figure 3-64.

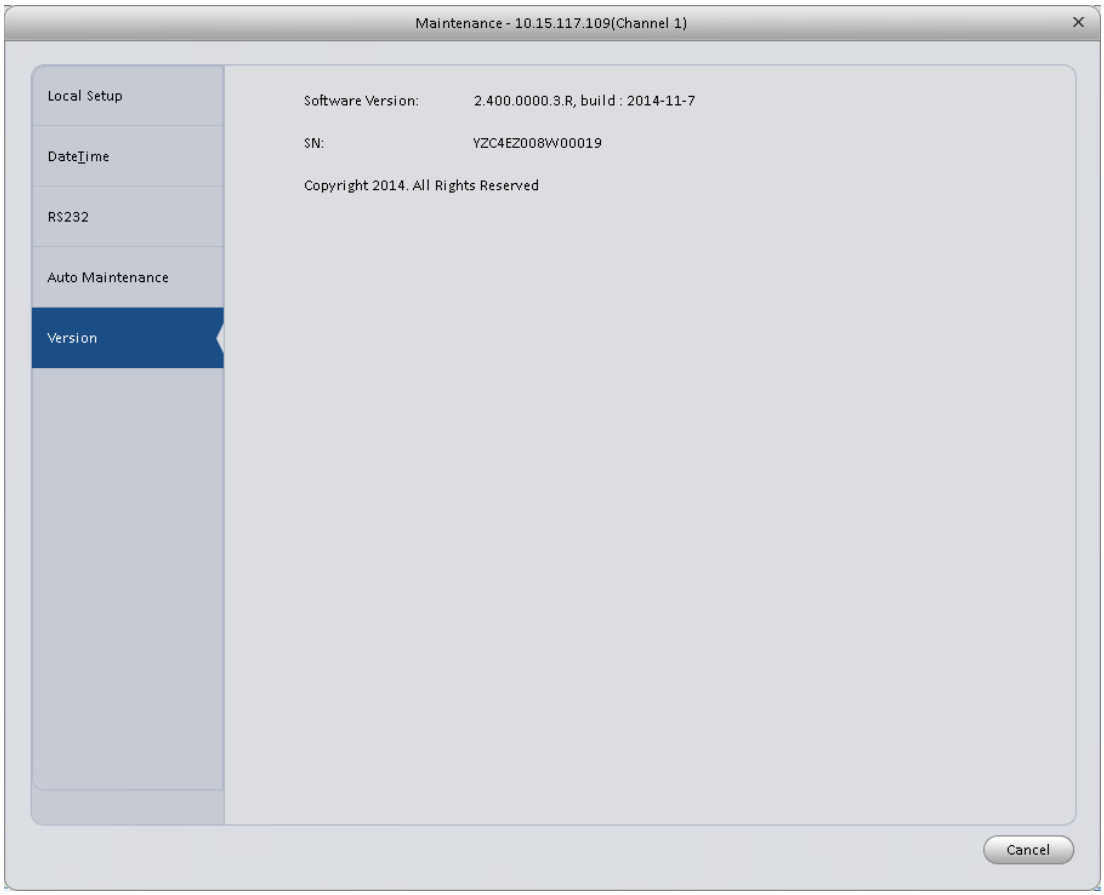

Figure 3-64

3.6.4.3 WEB

Go to the WEB interface of the device. Figure 3-65 is for reference only.

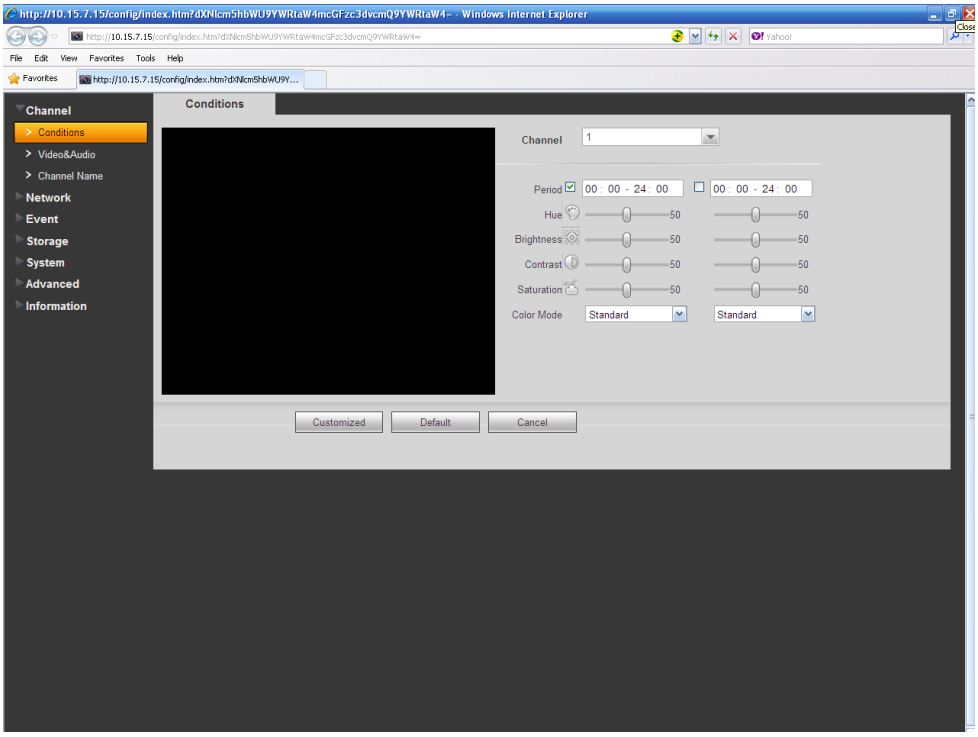

Figure 3-65

3.7 Alarm Configuration

3.7.1 Set an Alarm Program/Schedule

You can follow the steps listed below to set an Alarm Scheme (schedule).

1) Click this icon  in the Settings panel to go to the alarm configuration interface. See Figure 3-66.

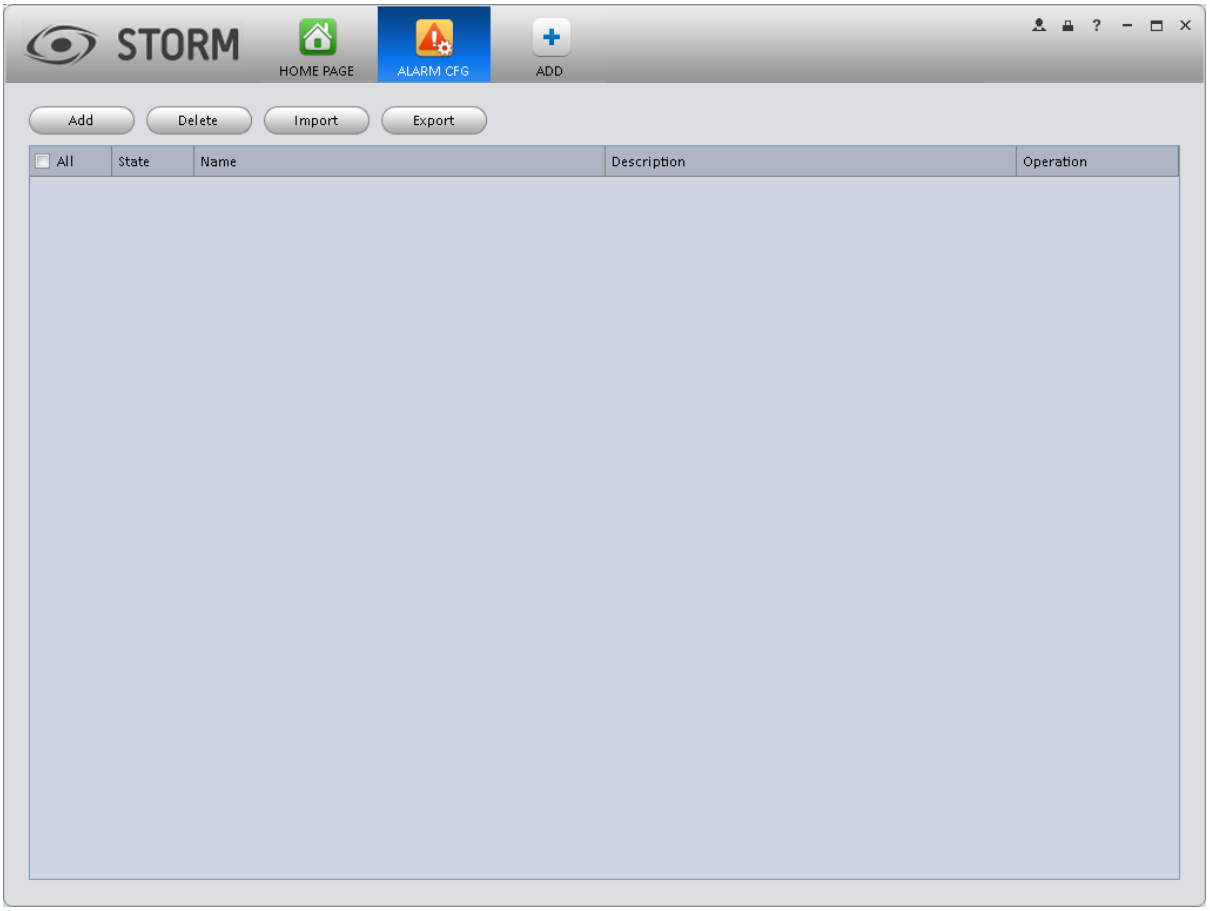

Figure 3-66

2) Set the Alarm sources.

a) Click the 

button in Figure 3-66 and the system will display the Alarm sources setup interface. See Figure 3-67.

3) Here you can input a scheme Name and a Description. Select the Alarm Type from the dropdown list.

a) Check the box in the left panel for the channel on which you want to configure and Alarm Scheme; you can add it to the list on the right panel.

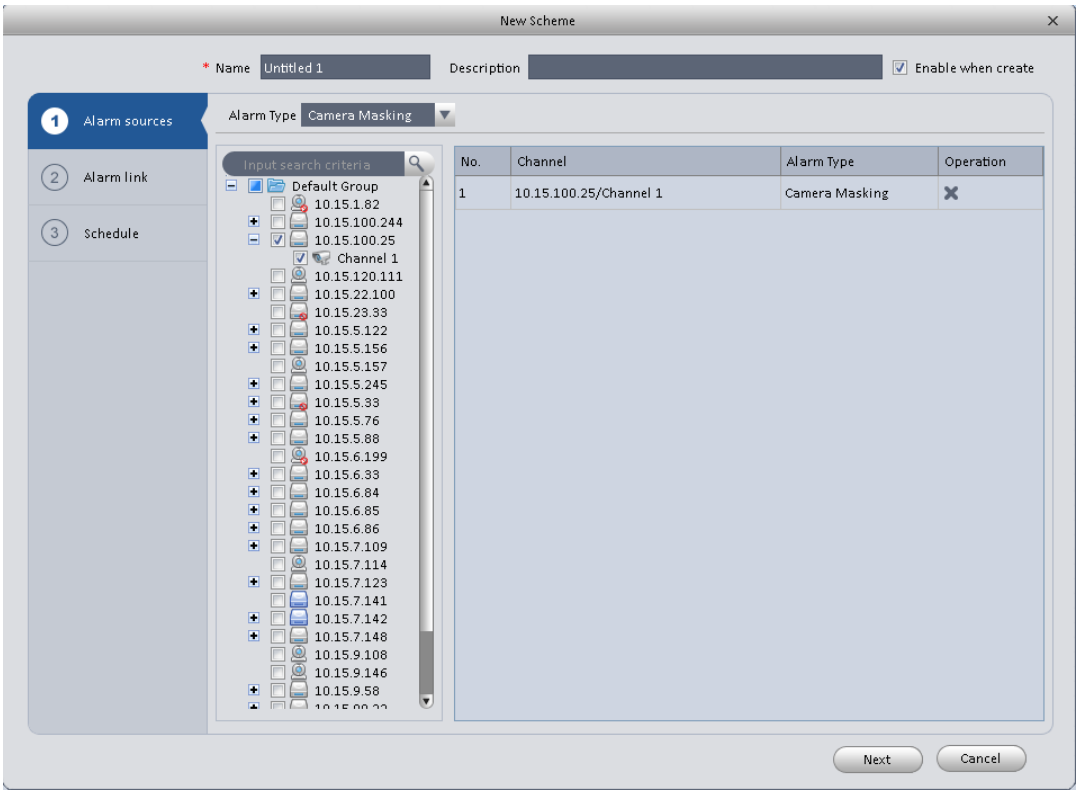

Figure 3-67

b) Click the Alarm Link on the left panel or click the Next button in Figure 3-67 to move to the next interface. Check the trigger Channel as in the Figure 3-68 and the Alarm Out channels as in Figure 3-69.

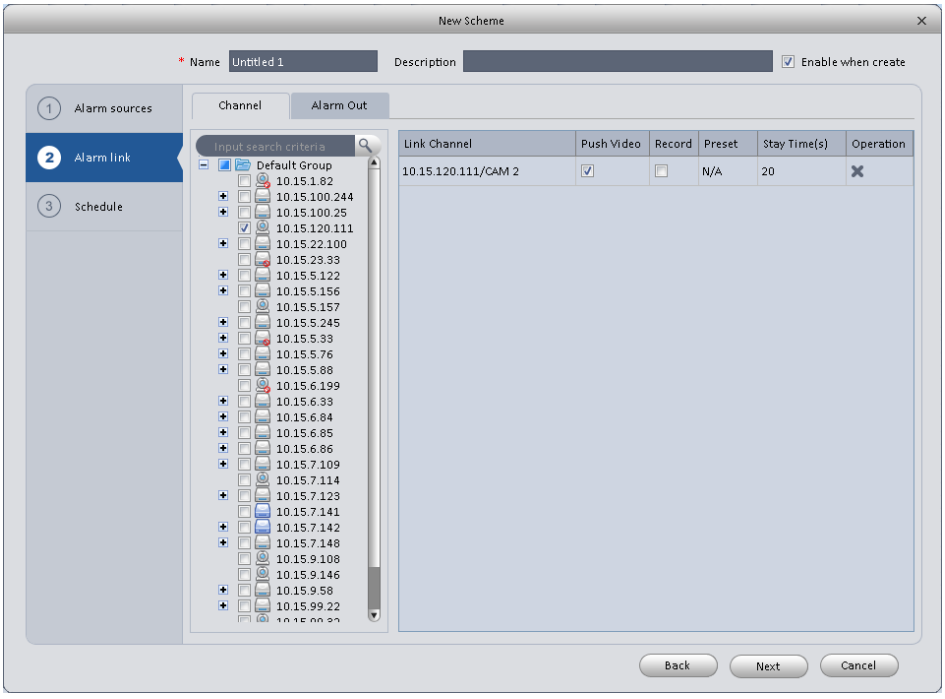

Figure 3-68

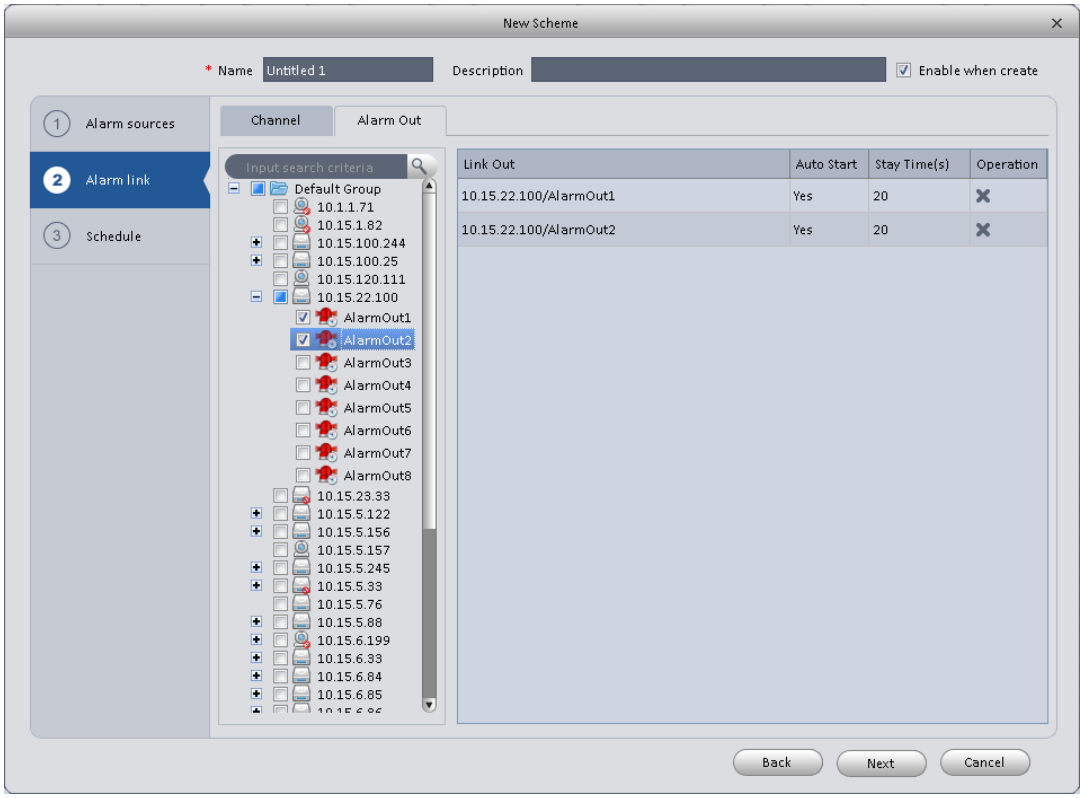

Figure 3-69

c) Click the Schedule button on the left panel or click the Next button in Figure 3-68 to go the following interface. See Figure 3-70.

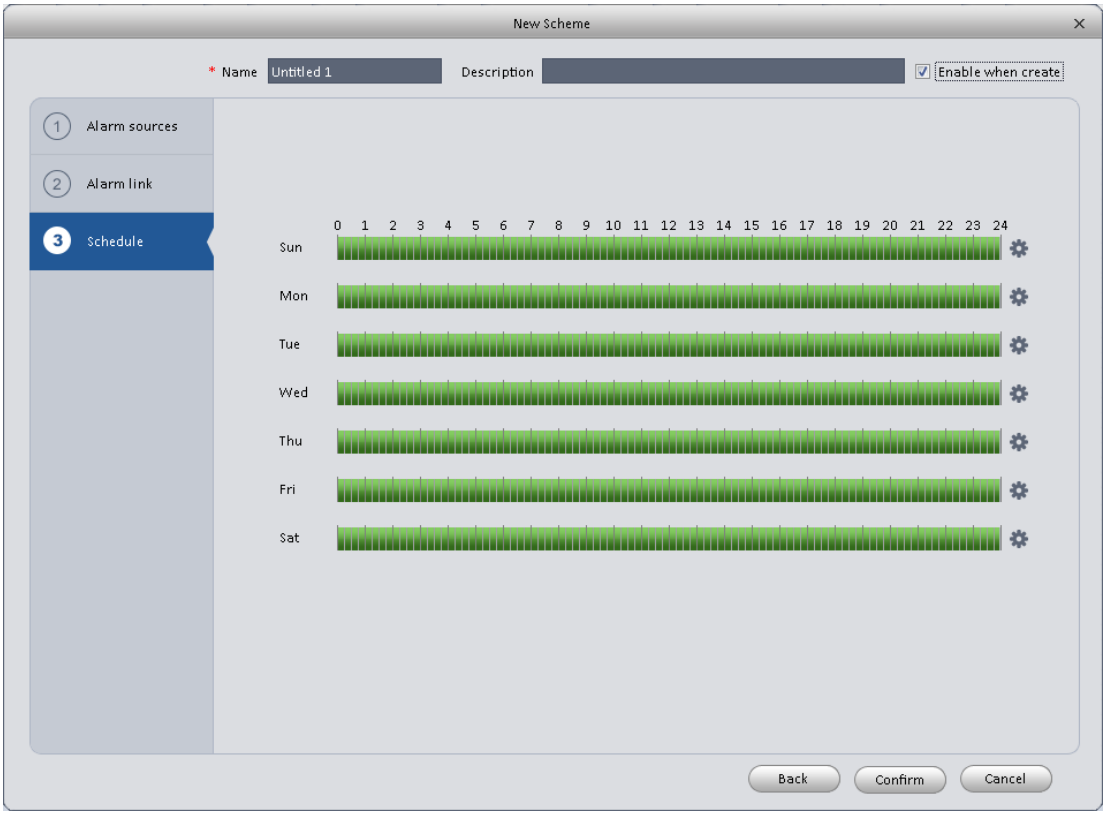

Figure 3-70

Click this icon located next to the days to set the alarm activation period. There are six periods in one day. See Figure 3-71. Click the OK button to exit.

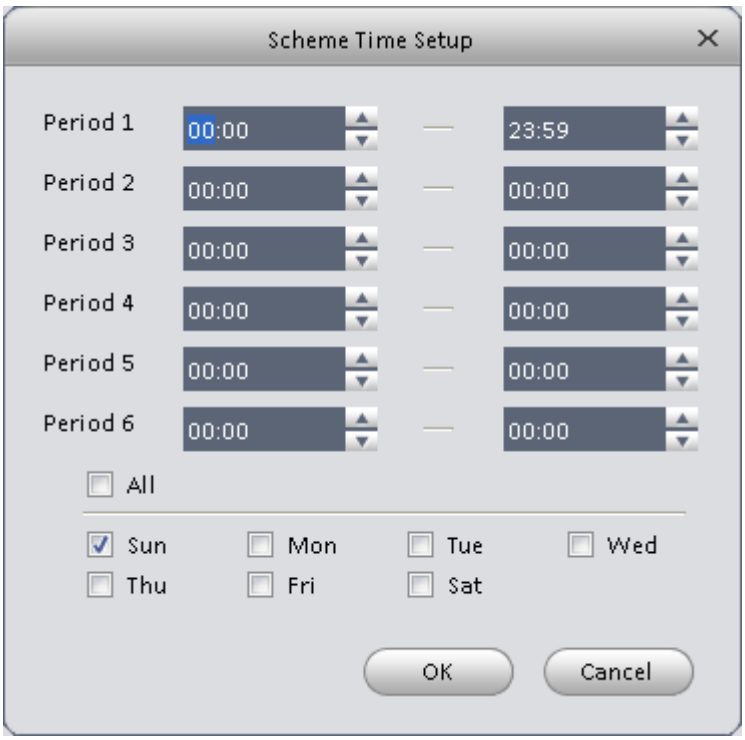

Figure 3-71

d) Click the OK button and you will be able to view the scheme information on the alarm setup interface. See Figure 3-72.

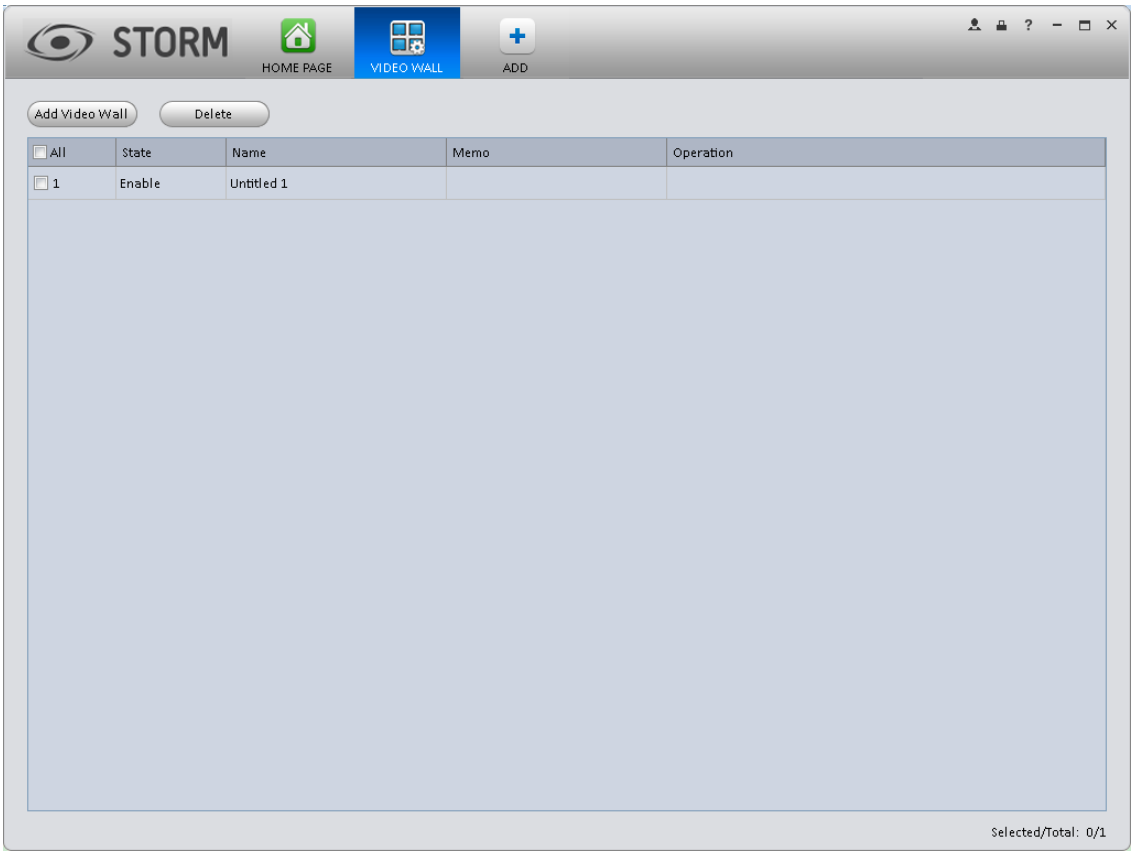

Figure 3-72

3.7.2 Enable/Disable/Export the Program/Schedule

Once you have added a scheme, you can do execute the following actions.

- : Delete the current scheme.
- : Disable the current scheme.
- : Enable the current scheme.
- Add: Add a scheme.
- Delete: Select one or more scheme(s) and then click this button to delete it or them.
- Import: Import the scheme's information.
- Export: Export the scheme's informaiton.

3.8 Video Wall Configuration

This function allows you to output video to the video wall. Please follow the steps listed below.

1) Click on this icon and the system will display the video wall setup interface. See Figure 3-73.

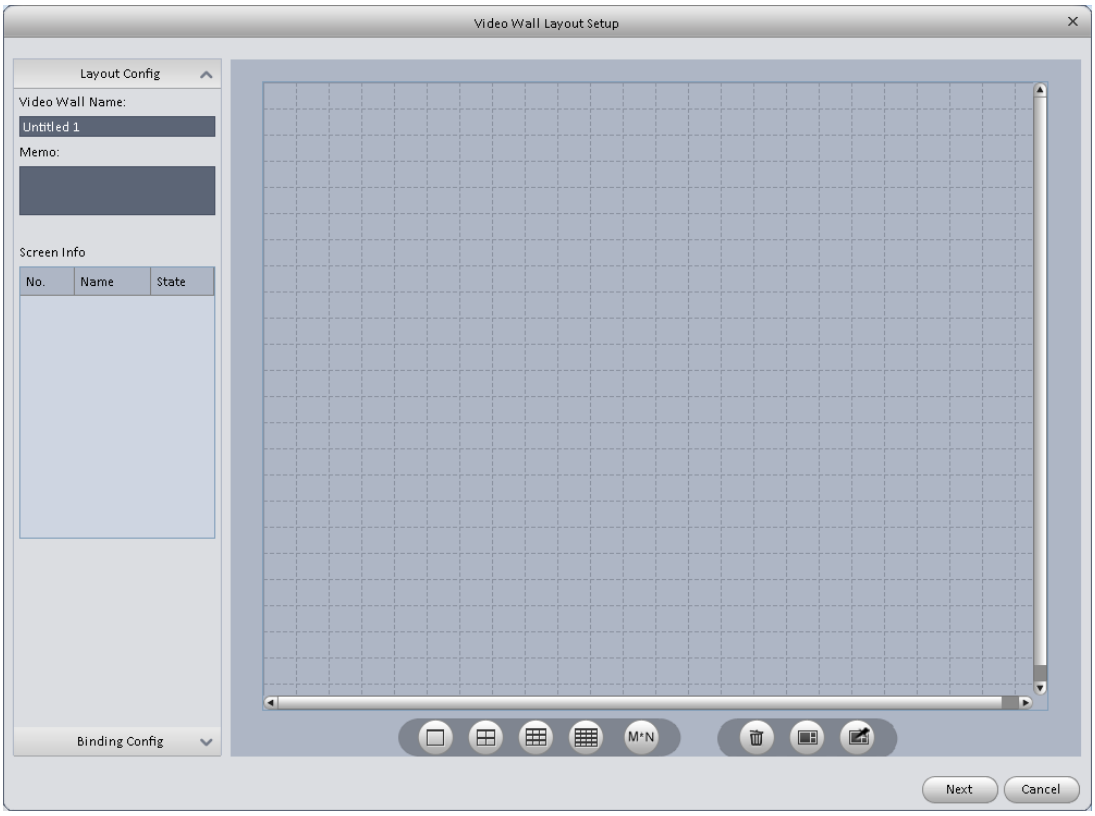

Figure 3-73

2) Configuration of the video wall.
   a) Enter a Video Wall Name and Description.

b) Click these icons below  to select the layout: 1*1, 2*2, 3*3, 4*4 or M*M. Click on the screen to draw the video wall's physical layout as shown in Figure 3-74.

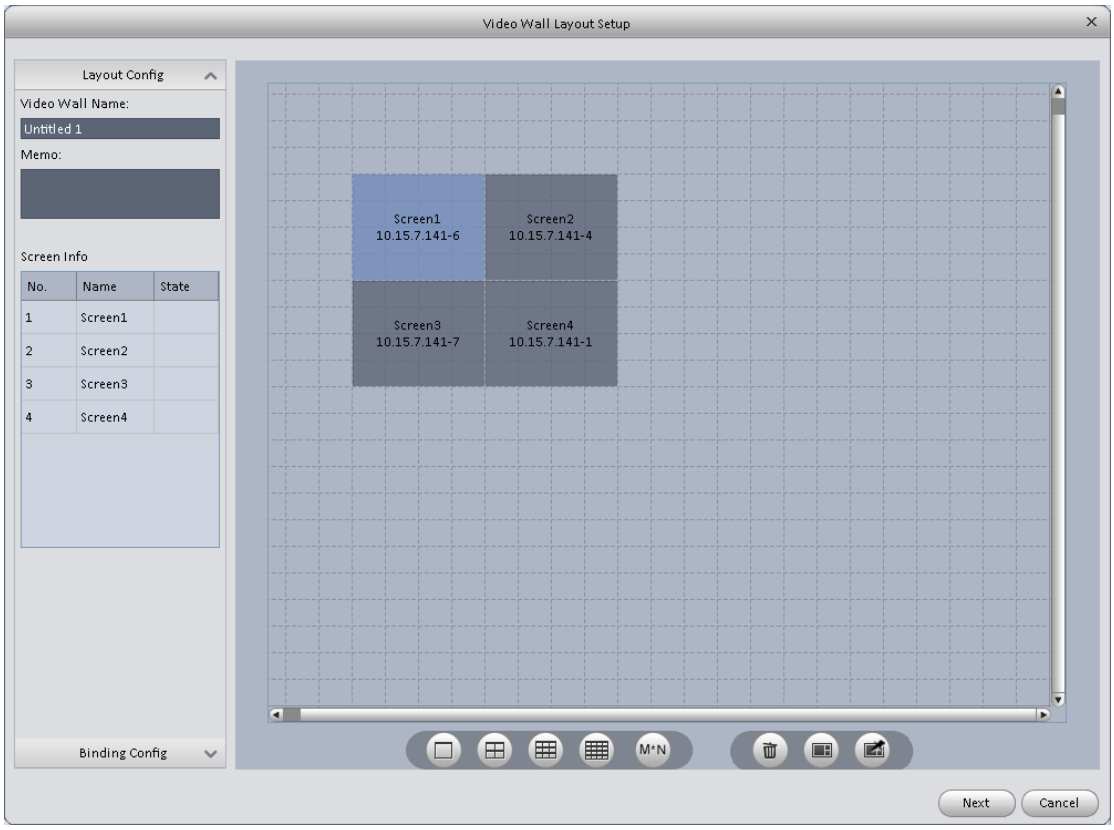

Figure 3-74

Note

- Use the Ctrl button PLUS the left click of the mouse to select multiple screens. Right click the mouse to select splicing or click on this button  . You can combine several screens to one splicing screen. Right click the mouse again to select unbind splicing or click on this button  to cancel the splicing.
- Select a screen and right click to select Rename or Delete to rename the screen or delete it. Click this button  to delete all screens.

c) Click on the Next button to go to the binding interface of the video wall input.

3) Binding Decoder Channel

Select a decoder channel and then drag it to the corresponding screen of the video wall. See Figure 3-75.

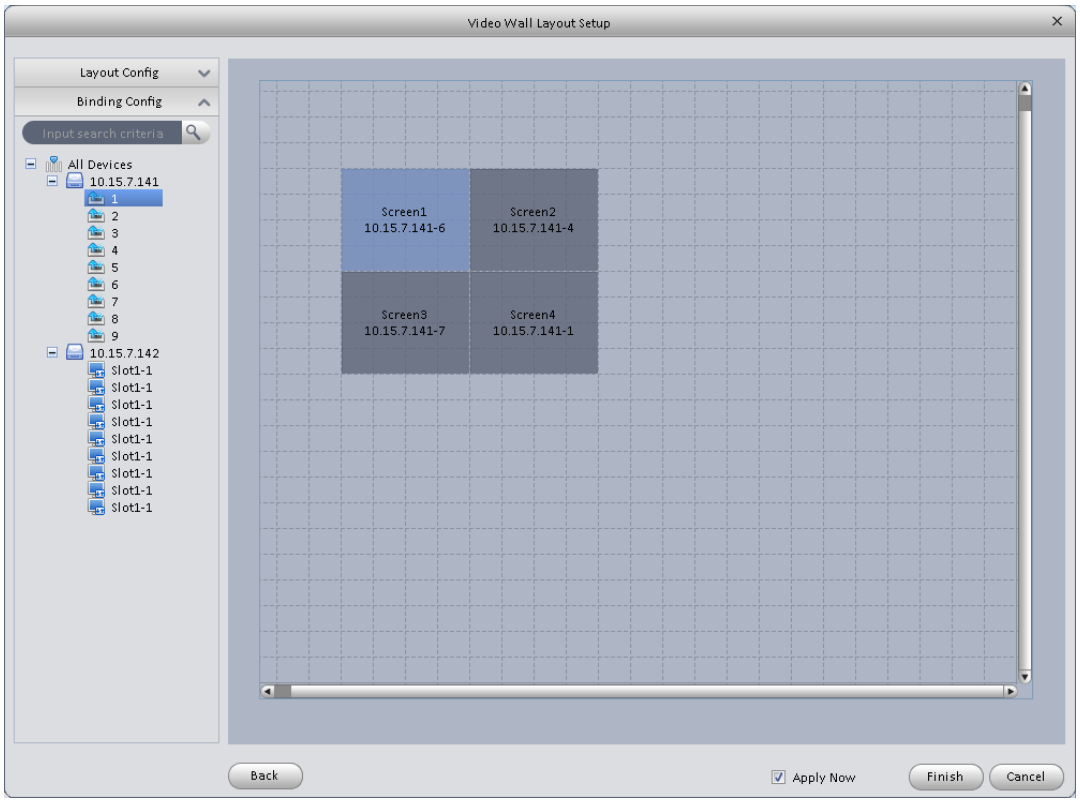

Figure 3-75

Note:

When a screen binds M30, you need to splice the physical layout, otherwise you can't bind it.

4) Check the Apply Now box to enable this configuration immediately and then click the Finish button. The next interface is shown in Figure 3-76.

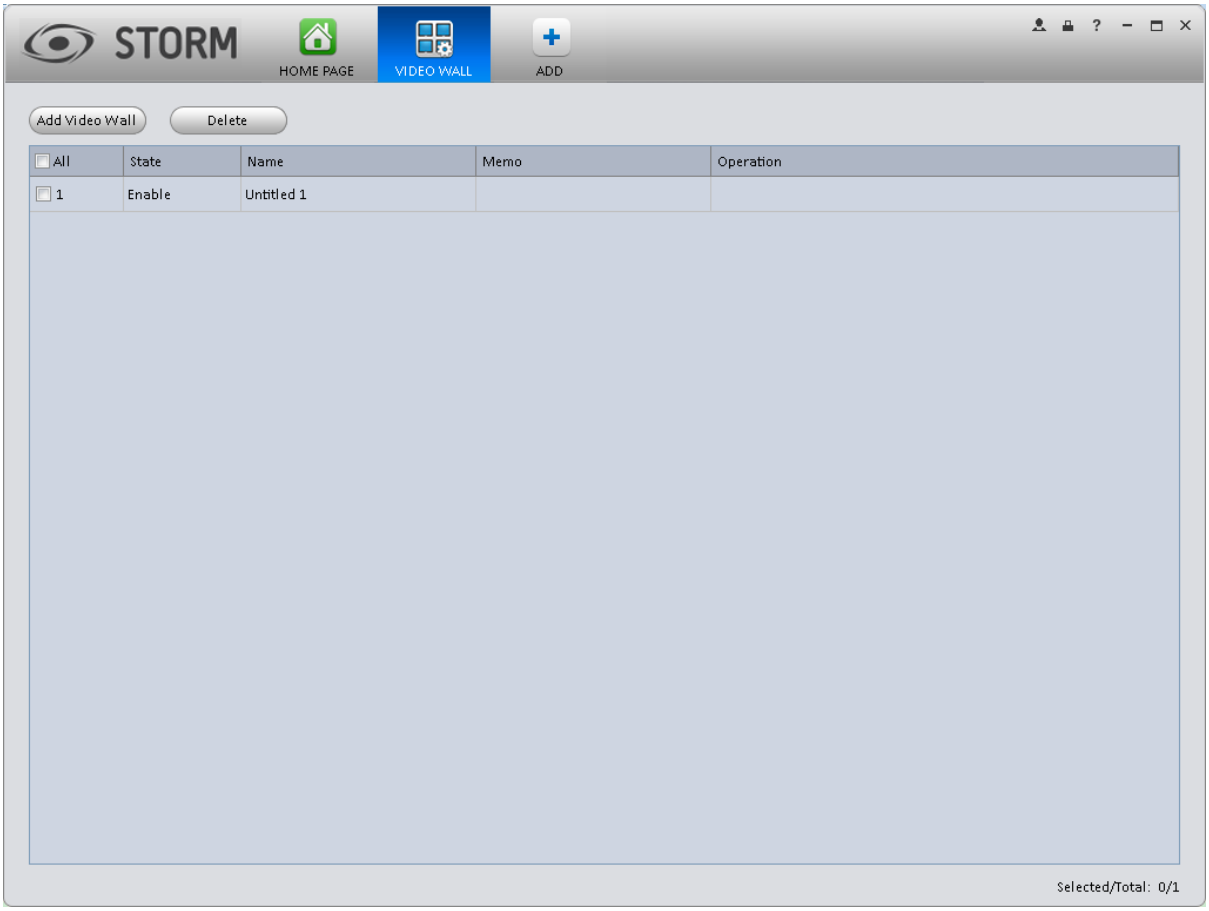

Figure 3-76

In Figure 3-76, double click on a Video Wall or select a Video Wall, then click the Modify button to change its setup. You can also click the Delete button or to remove it. Click to tunr on or off the Video Wall setup.

3.9 Tour &Task

Allows you to realize a surveillance tour amongst each window. Please follow the steps listed below to configure this function.

- Click this icon in the Settings panel and you will see the Tour interface as shown in Figure 3-77.

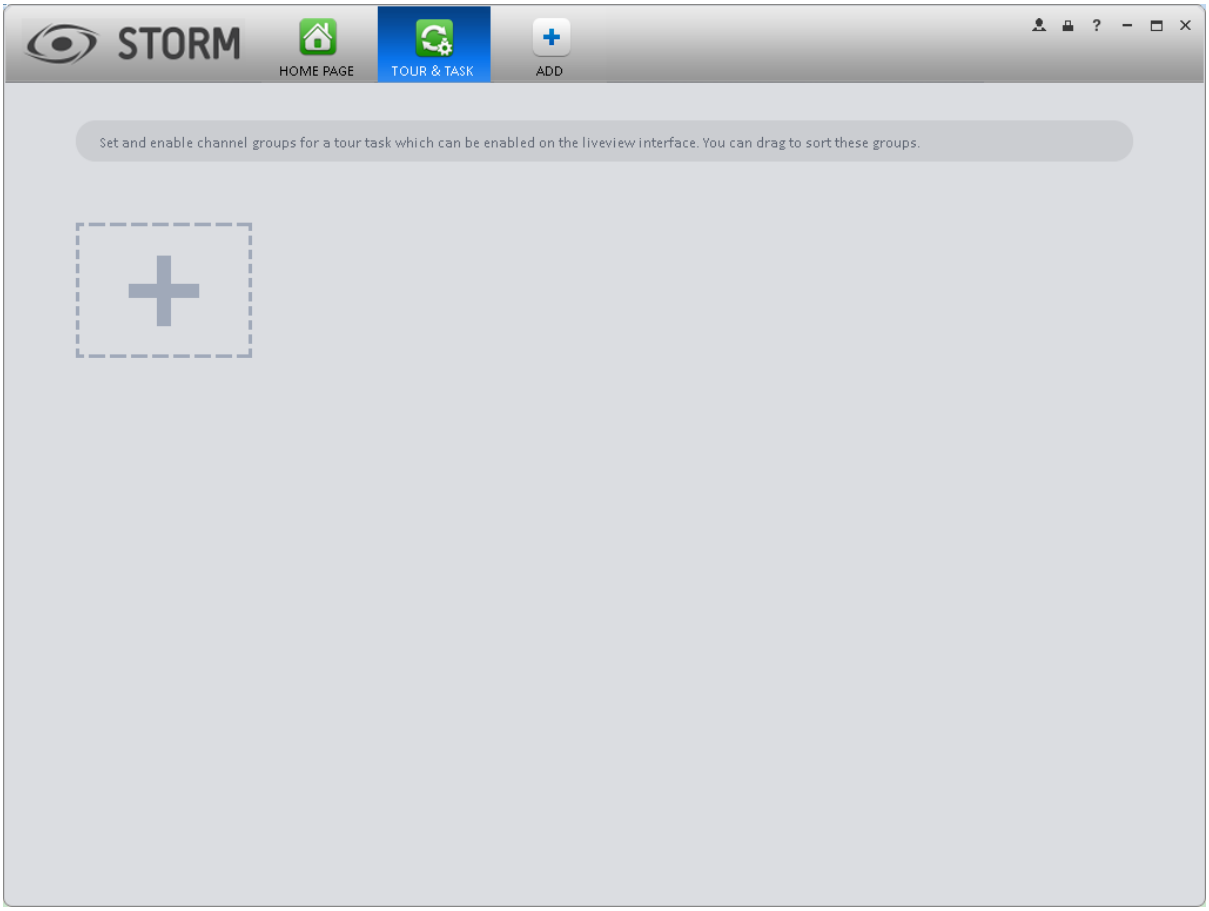

Figure 3-77

- Click the  button to add a Tour Task interface. See Figure 3-77-3-78.
- Input a name and the stay time.
- Click on these buttons  at the bottom of the interface to select the number of windows desired.
- Drag the channel(s) from the right side of the panel to the windows on the left side. See Figure 3-78.

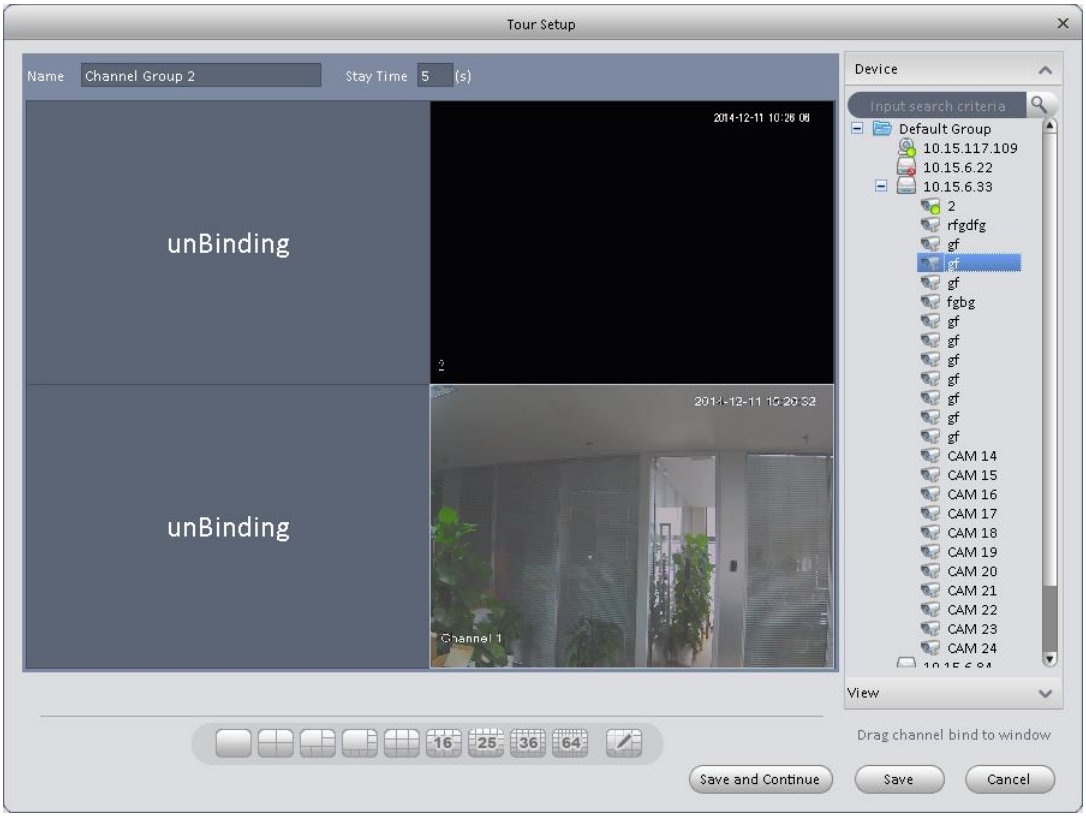

Figure 3-78

Click on the  button to save this current configuration. See Figure 3-79.

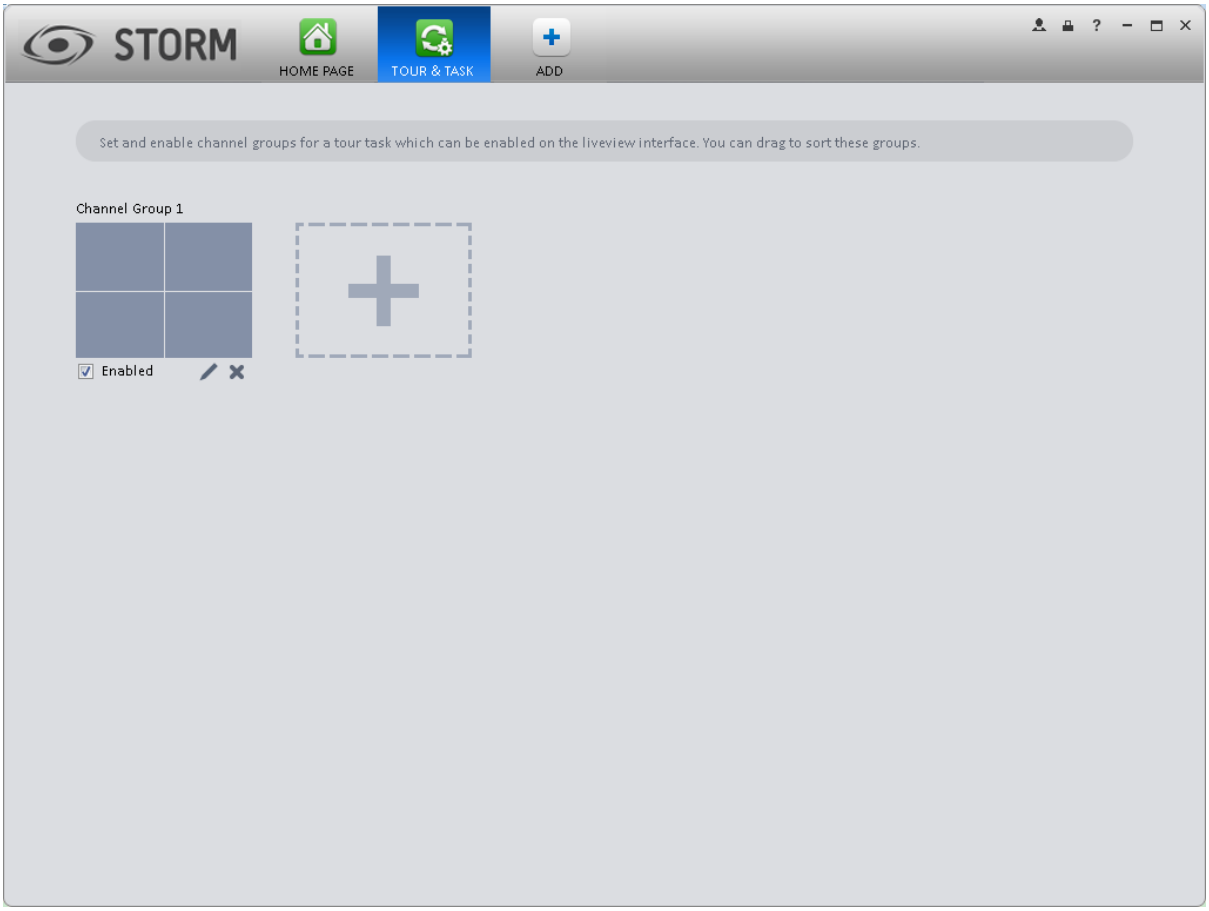

Figure 3-79

Tips

Click 

to save the current tour & task setup and to add more tasks at the same time.

- In Figure 3-79, you can check the Enabled button to open the current scheme. You can also go to the main interface and click the Liveview button  to go to the following interface in Figure 3-80. Click this button  at the bottom of the interface to enable the scheme.

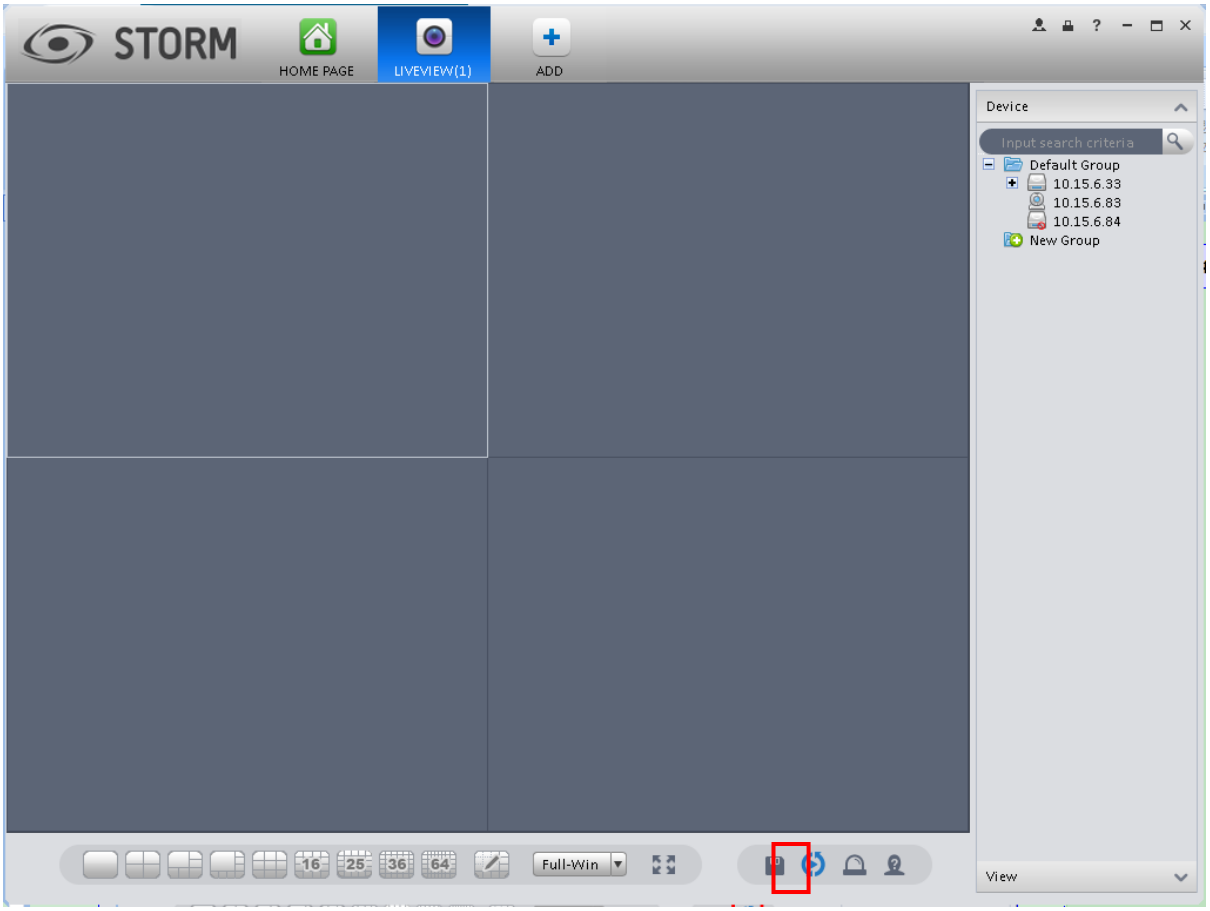

Figure 3-80

3.10 PC-NVR

Important

Before you use this function, please make sure you have installed the PC-NVR and that the PC-NVR applications are running!

This function allows you to store recorded files onto the PC to effectively use bandwidth. You can add, modify or delete the PC-NVR and configure the PC-NVR parameters. To do so follow the steps listed below.

1) Click this icon  in the Settings panel to go the PC-NVR interface. See Figure 3-81.

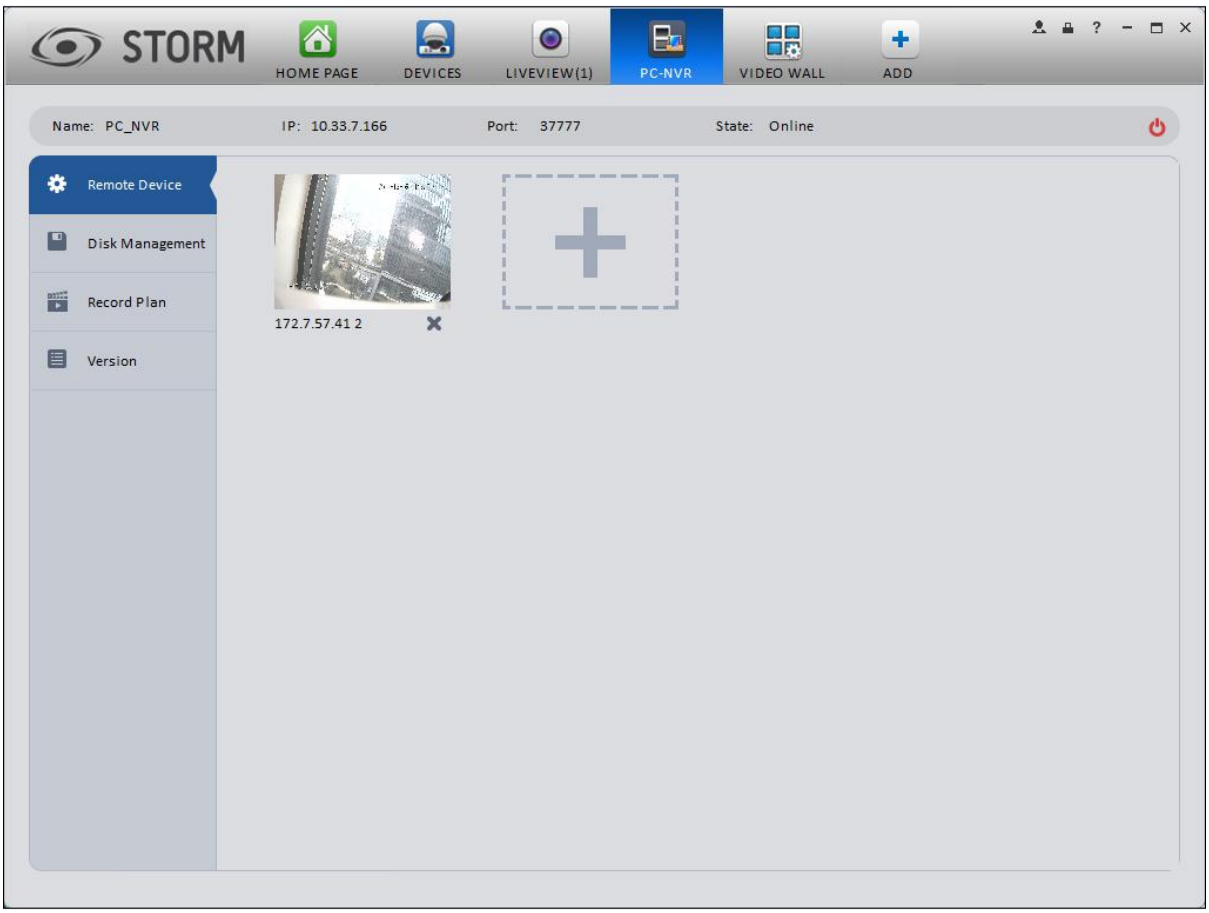

Figure 3-81

2) Remote Device

a) Click this  button and you will see an interface as shown in Figure 3-82. Here you will be able to add channels.

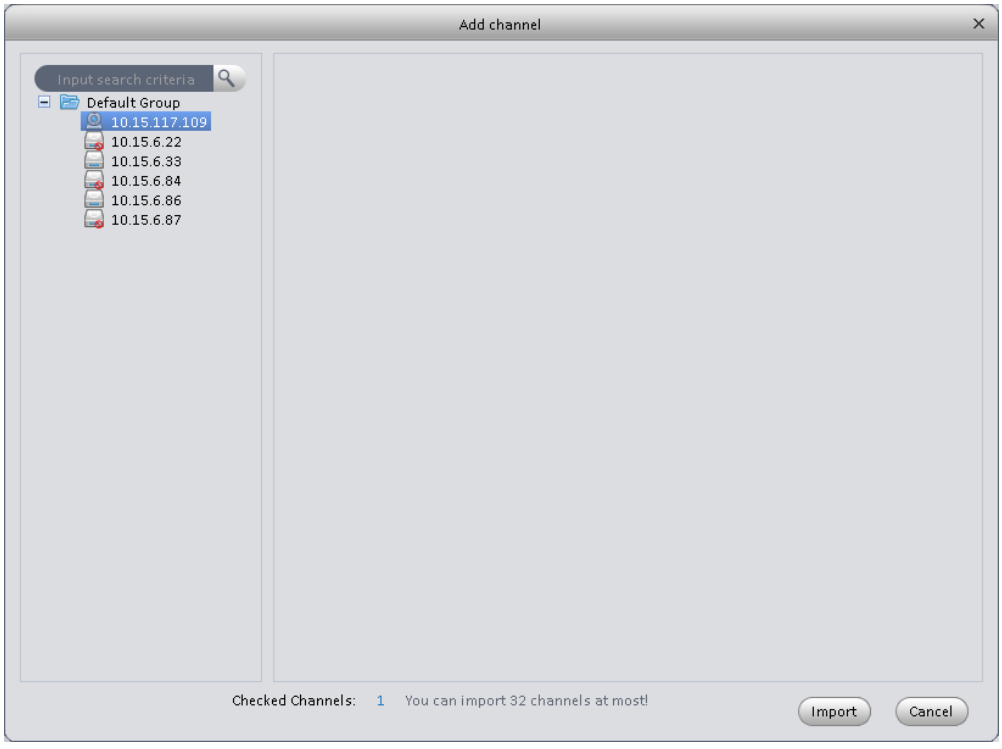

Figure 3-82

b) Please select a device and then check the corresponding recording channels

c) Click on the Import button.

3) Disk manager

STORM VMS supports the management of disk allocation for the PC-NVR.

Note: Before allocating, make sure the disk has at least 7G of free space.

a) In Figure 3-81, click on the Disk Management button in the left panel to move to the configuration interface.

b) You can select the saved disks and input the space required then click Allocate. See Figure 3-83.

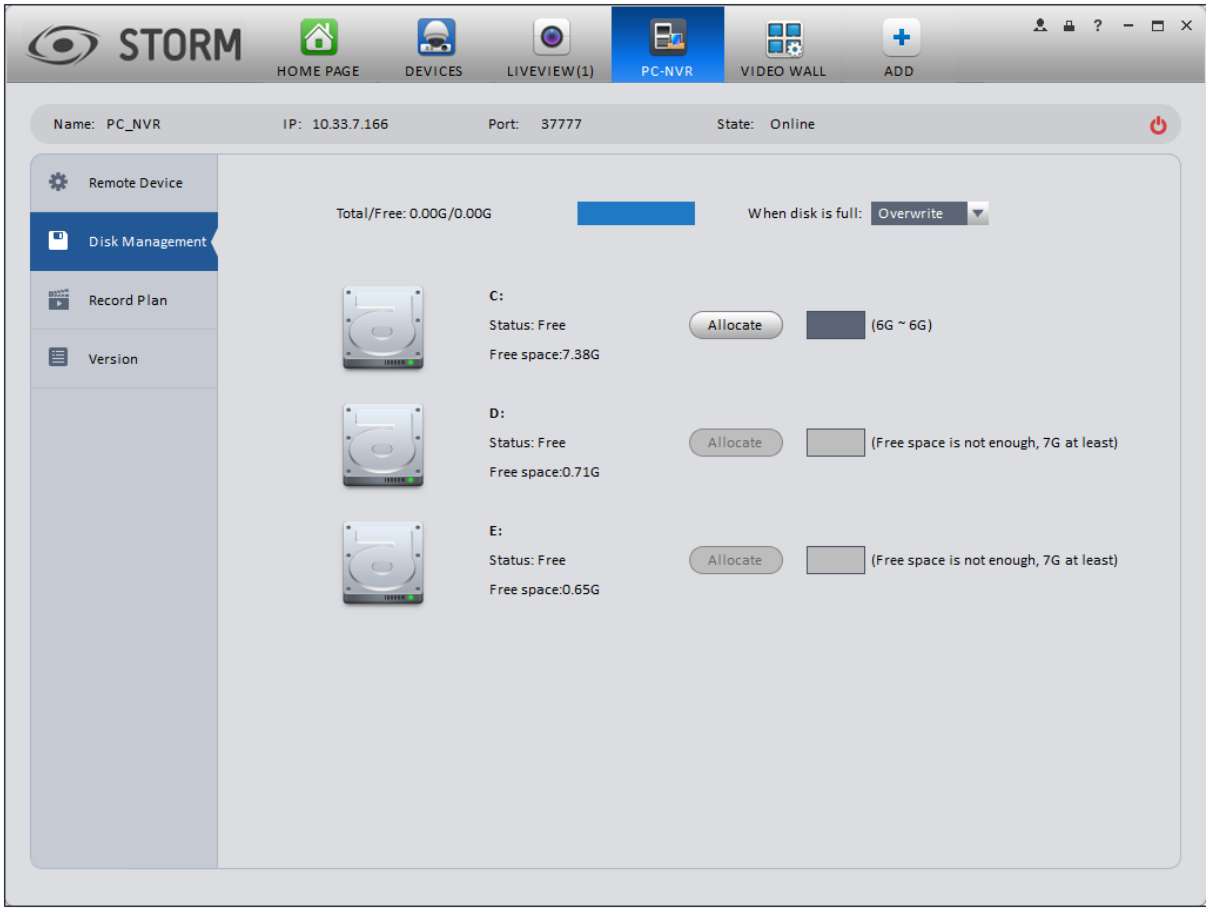

Figure 3-83

4) Add a Record Plan

a) In Figure 3-81, click the Record Plan button on the left side of the panel. Select a channel from the dropdown list and then click the button . The following interface as shown in Figure 3-84 will appear.

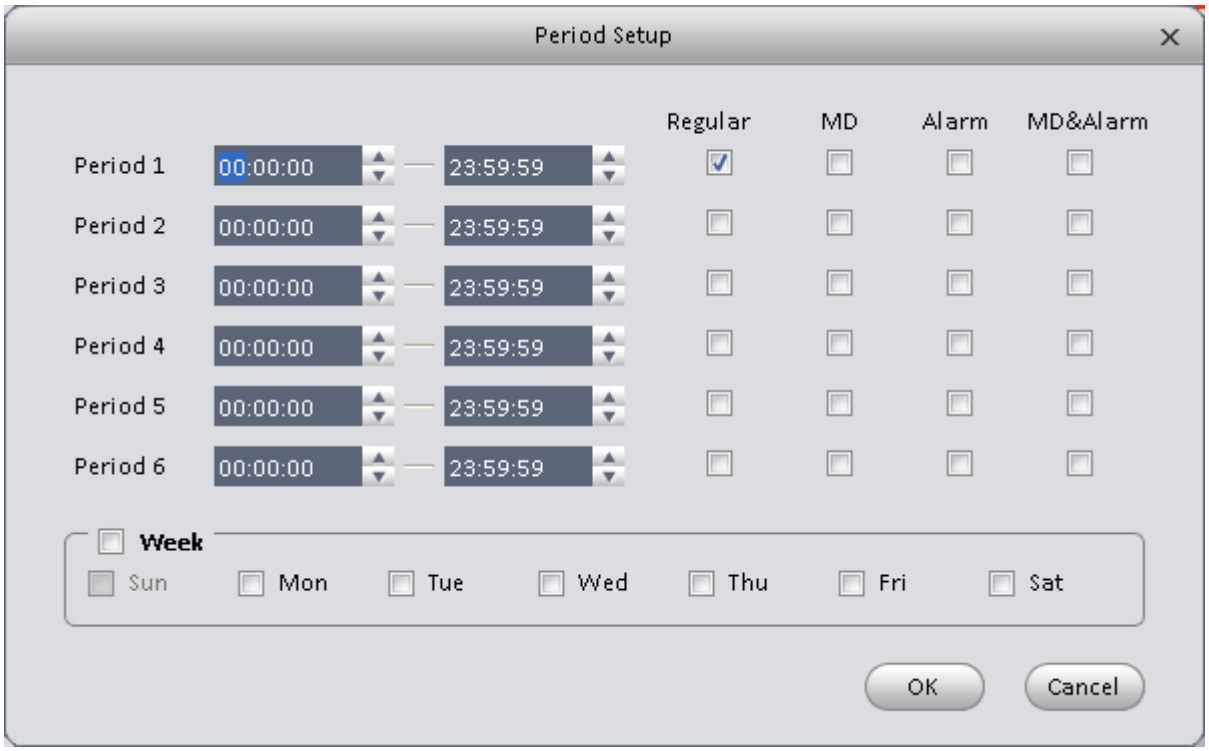

Figure 3-84

b) Please enter the period information and the type.

c) Please set the corresponding times.

d) Click the OK button to go to the interface shown in Figure 3-85.

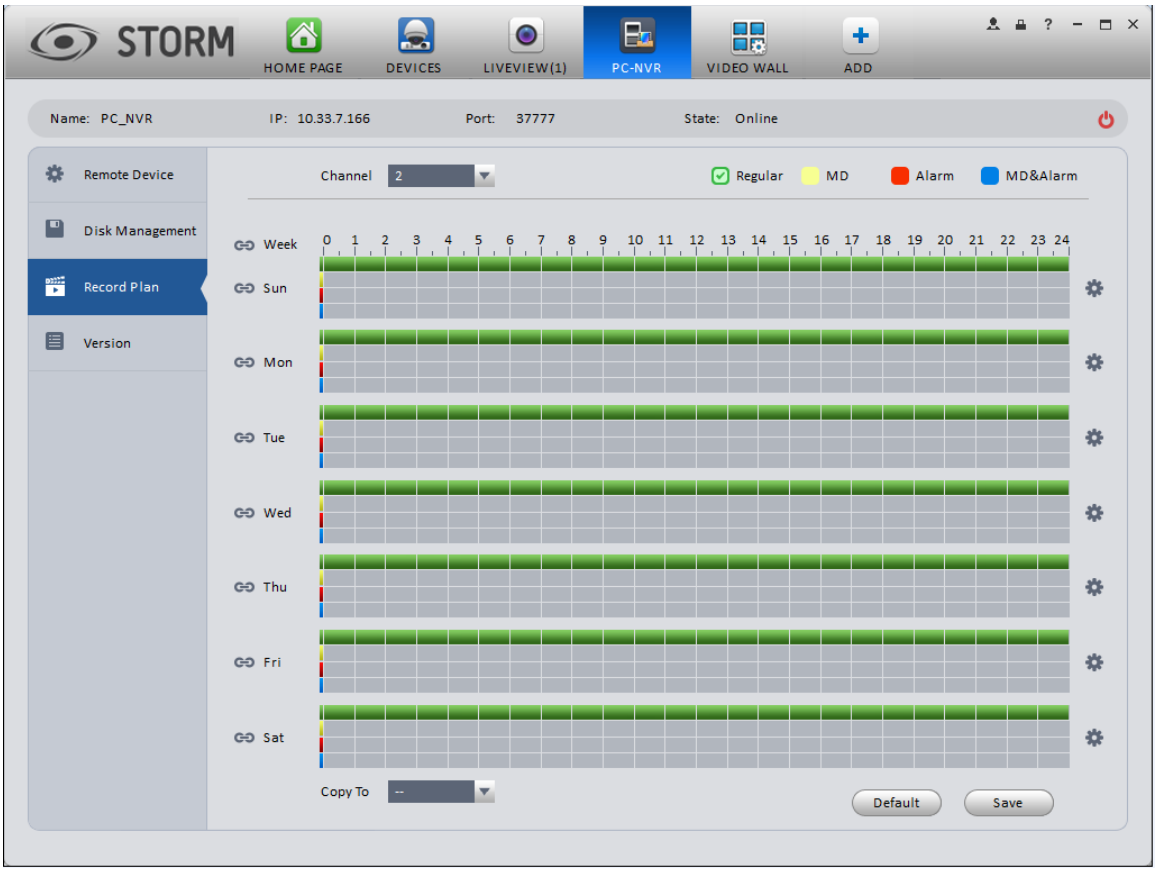

Figure 3-85

e) Click the Save button.

Tips

After you complete the setup for one channel, you can click the Copy To dropdown list in Figure 3-85 to copy the current setup to other channel(s).

4 Basic Operation

4.1 Liveview

4.1.1 Real-Time Liveview

Once you have setup the channel group, you can display real-time liveview, record, snap, execute PTZ operations, etc.

In the main interface, click on this button  to go to the Liveview interface as shown in Figure 4-1.

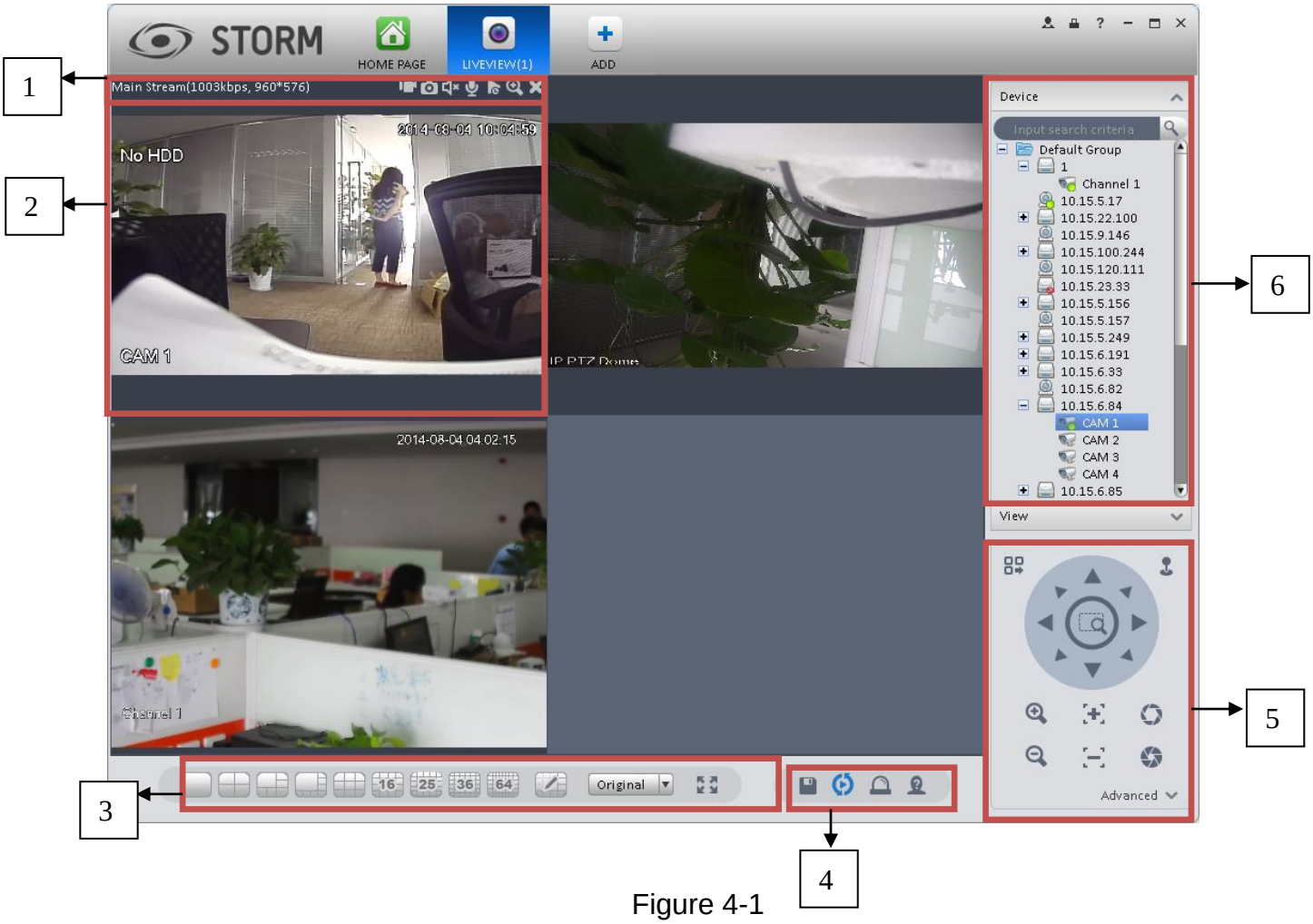

Figure 4-1

Please refer to the following table for added information.

SN	Item	Function
1	Bit stream information and shortcut operation menu	● : Enable/disable the local recording. ● : Snapshot. ● : Enable/disable audio. ● : Enable/disable bidirectional talk. ● : Instant playback. ● : Digital zoom ● : Close current window.
2	Video window	Real-time video
3	Window split mode	●  : It is to choose the the mode of window splitting, can vary from 1 to 64 windows. ●  : Select a window and then click this button to customize its configuration. ●  : Adjust the video scale. ●  : Full screen.
4	Intelligent button	: Save the current liveview as an image. You can view it under View. : Enable the Tour plan. Refer to Chapter 3.9. : Close the Tour plan. : Intelligent alarm. For the connection of intelligent devices; when this button appears it means that the device supports intelligent alarm. : Face recognition. For connection of intelligent devices; when this button appears it means that the device supports face recognition.
5	PTZ	For PTZ dome cameras or Fisheye cameras only. Here you can set the camera's direction, zoom in, zoom out, iris, etc. Click the advanced button to set a preset, a tour, an aux function and so on.
6	Device list	Displays the device group and the corresponding channels. Here you can create a new group and drag a device to it. Right click on a channel, and you can select main stream/sub stream or quickly go to the device setup interface.

Select a Liveview window, double click a device channel on the right side of the panel to open the video. Double click a group name; you can open all the channels under this group. Right click on the device channel to switch between main stream/extra stream.

Right click the Liveview window and you will see an interface as the one shown n Figure 4-2.

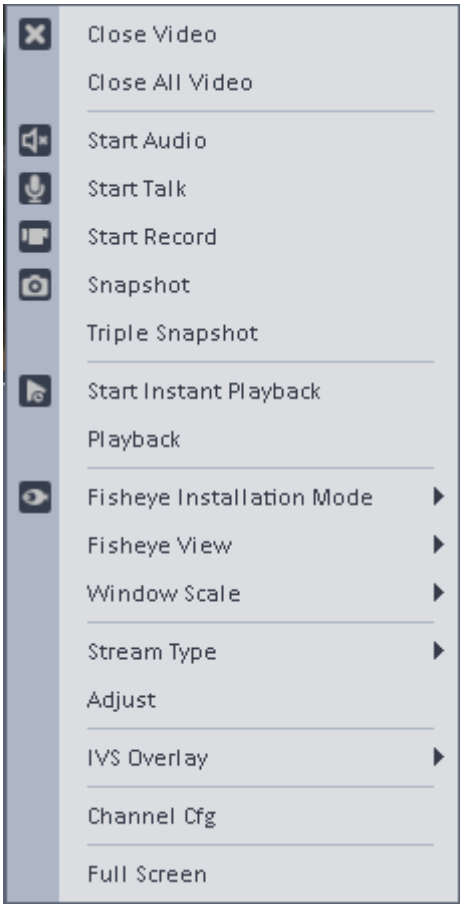

Figure 4-2

Please refer to the following table for added information.

Item	Function
Close Video	Click it to close the current window.
Close All Video	Click it to close all the windows.
Start Audio	Click it to enable the audio function.
Start Talk	Click it to enable the bidirectional talk function.
Start Record	Save the audio/video of the current window to a recorded file.
Snapshot	A snapshot of the current window. Click it once to save one picture.
Triple Snapshot	A triple snapshot of the current window. Click it once to save three pictures by default.
Start Instant Playback	It is to enable instant playback in the current window.
Playback	Click it to go to the playback interface and playback the recording of the current window.
Fisheye Installation Mode	It is to adjust the Fisheye installation mode. This can be: ceiling mount, wall mount and ground mount.
Fisheye View	It is to adjust the Fisheye viewing mode.

Item	Function
Window Scale	It is to adjust the scale of the window.
Stream Type	To switch between the main stream/sub stream
Adjust	To set the video brightness, contrast, hue and saturation.
Channel Setup	Click it to go to the channel setup interface (chapter 3.6).
Full Screen	Click it to switch to a full screen mode. You can double click the video window or right click and then select exit full screen or press Esc to exit.

4.1.2 Recording

During the Liveview process, you can follow the steps listed below to record. On the Liveview interface, do a right click with your mouse and then select the Record button. You can also click this button at the top of the video window to record. The icon becomes like this when the device is recording. You can right click your mouse to select Stop Record or click the at the top of the video window to stop the recording.

The default recording saving path is STORM VMS/Record. You can go to the Chapter 3.3 General and select the File Setup icon to modify the recording saving path.

4.1.3 Snapshot

During the Liveview process, you can follow the steps listed below to do a Snapshot.

1) On the Liveview window, right click your mouse and then select Snapshot. The system will then display a snapshot dialogue box like in Figure 4-3.

Tips

You can also click at the top of the video window to do a Snapshot.

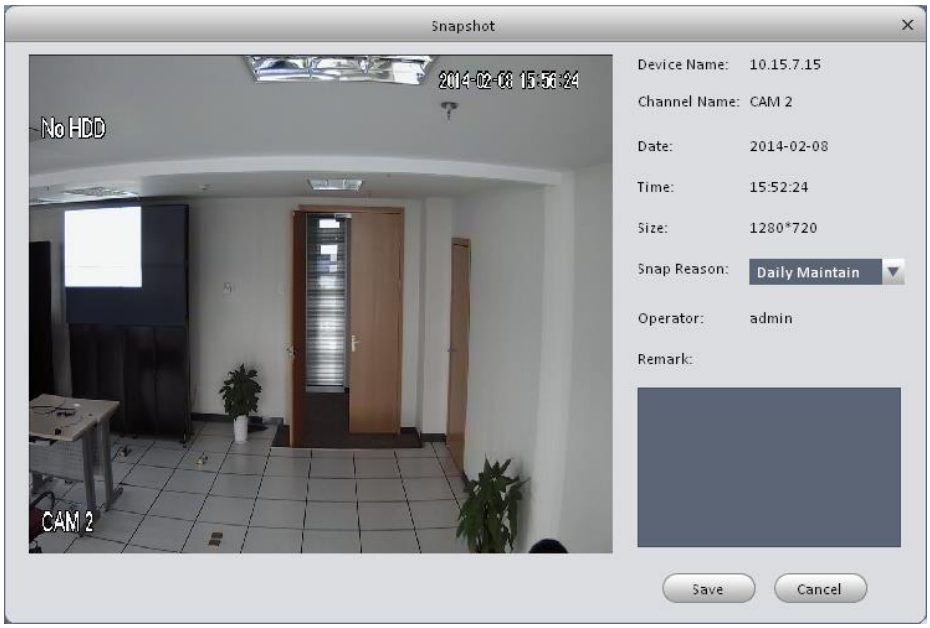

Figure 4-3

2) Please select the appropriate parameter from the Snap Reason dropdown list and then input additional information in the Remark box.
3) Click the Save button and the system will prompt the following message “Successfully saved snapshot!”

On the Liveview window, right click your mouse and then click on Triple Snapshot. This will enable you to snap three pictures at once. A dialogue box will appear if the snapshots are successful.
The default image saving path is STORM VMS/capture. You can go to chapter 3.3 General and select the File Setup icon to modify the image saving path.

4.1.4 PTZ

If the device type is a PTZ dome camera or a Fisheye camera, you can click the PTZ button to configure it. See Figure 4-4.

Figure 4-4

Please refer to the following table for added information.

Item	Function
PTZ Menu	Click  to go to the PTZ menu. See Figure 4-5.  Figure 4-5
Mouse Simulator	Click  and can use your mouse to setup the camera's movement directions.

Item	Function
Direction Buttons	These allow you to set the cameras movement directions. There are total of 8 directions. Top/bottom/left/right/top left/top right/bottom left/bottom right.
Zoom	It is to control the speed dome and realize the zoom function.
Focus	It is to adjust the video definition.
Iris	It is to adjust the brightness.
Step	It is to control the PTZ movement speed. It supports a value ranging from 1 to 8.
Preset	There are 128 presets by default. You can set the camera to a specific preset. Use the direction keys to move the camera to your desired location and then input a preset value. Click on the Set button and you will have configure one preset.
Tour	This function allows the camera to move between several presets.
Horizontal rotate	This enables the horizontal rotating function.
Scan	It is to set two limits so that the camera can move back and forth between them.
Pattern	The camera can memorize a dome operation, such as pan, tilt, and zoom and repeat it.
Aux	It is to set the aux positioning.

4.1.4.1 Preset

This function allows you to set the camera to a specific position.

Preset setup

Please note that the system supports 128 presets by default.

1) In Figure 4-4, use the direction keys to move the camera to your desired location.
2) Click on ▼ from the dropdown list, select a preset number between 1 and 128 then click ⚙.
3) Click ✔ to finish the setup.

4.1.4.2 Tour

This function allows the camera to move between several presets.

Important

Before you use this function, please set at least two presets.

Tour setup

1) In Figure 4-4, select Tour from the dropdown list and then click ⚙ button. See Figure 4-6.

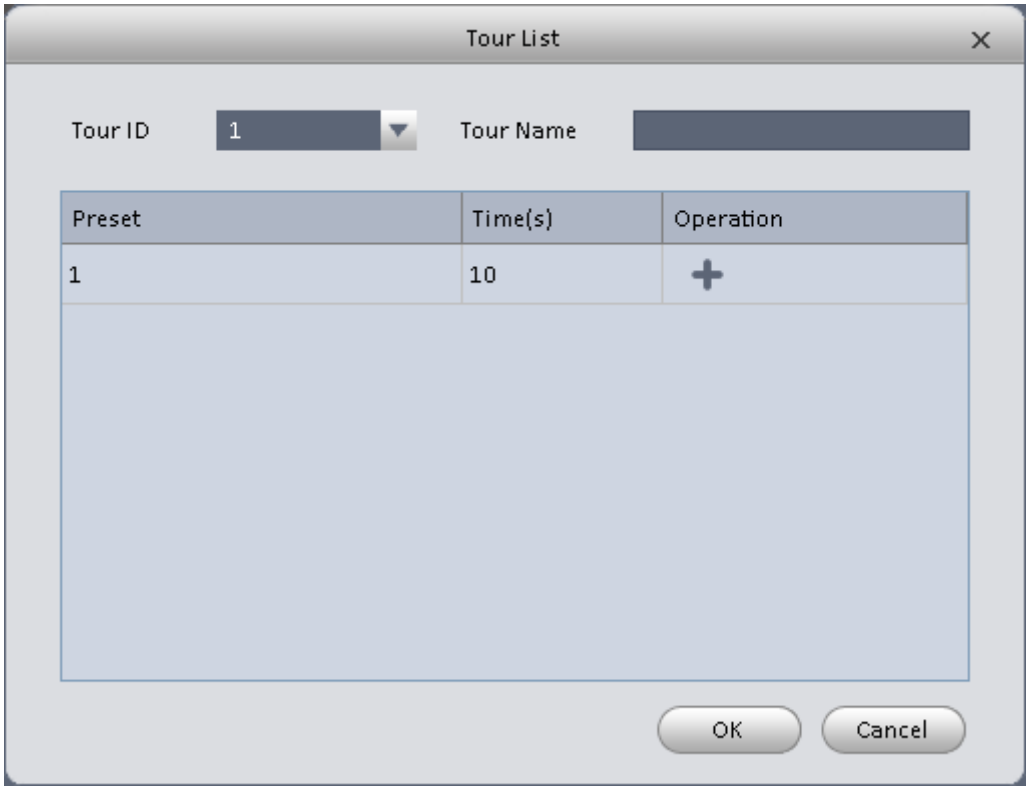

Figure 4-6

2) Input the Tour number and Tour name.
3) Select a preset number from the dropdown list and enter a stay time.
4) Click the button to add a preset to the tour. Select another preset number from the dropdown list and then click the Add button again to add more presets to the tour.
5) Click the OK button to complete the Tour setup.
6) Click the button to do the Tour.

4.2 Playback

Once you have recorded a file, you can go to this interface to play it back.

On the main interface, click the in the top panel and you will go to the Playback interface. See Figure 4-7.

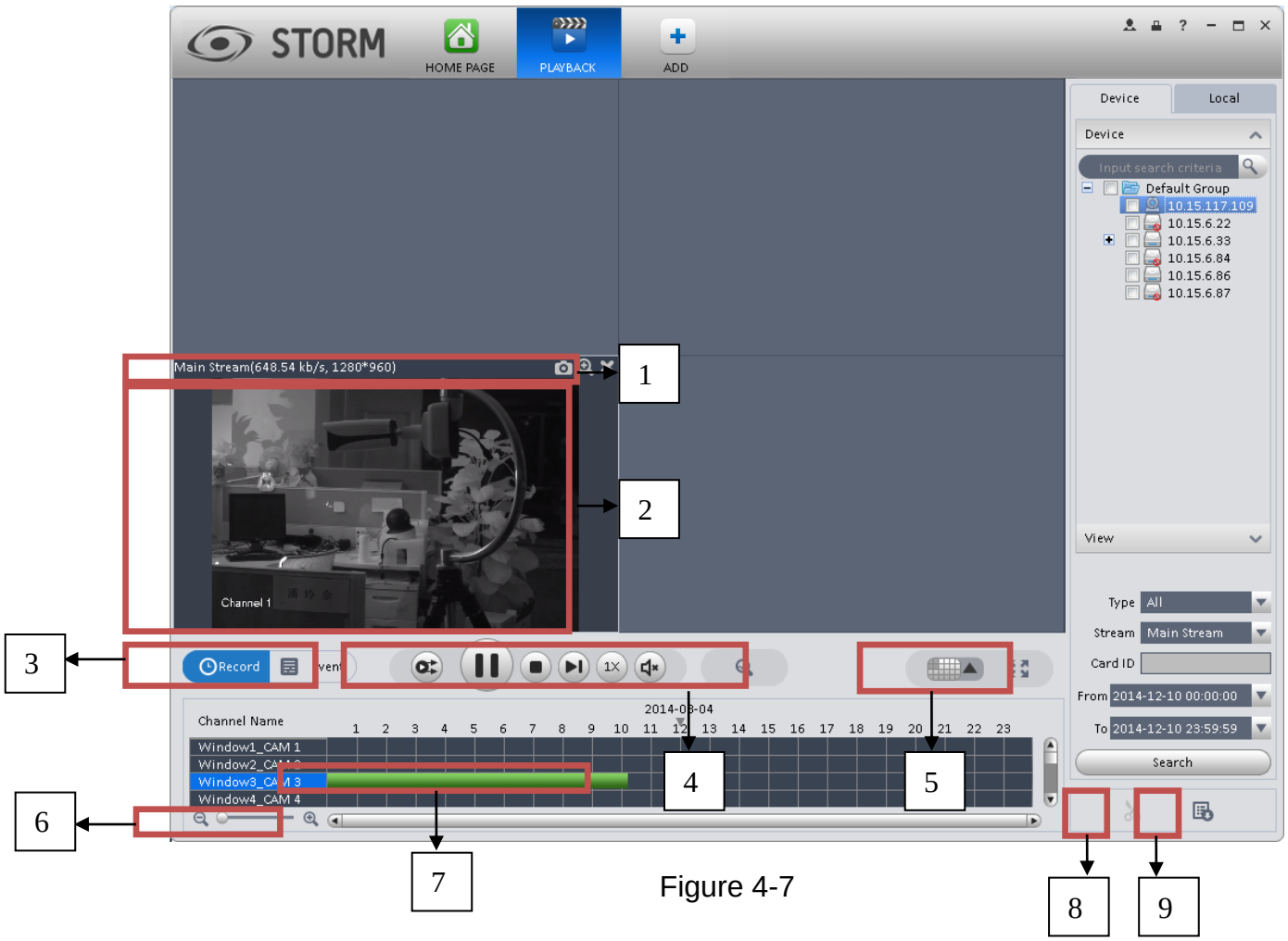

Figure 4-7

SN	Item	Function
1	Shortcut operation column	There are shortcut operations for the downloading of recorded files and snapshots. ●: Snapshot. ●: Zoom into the window ●: Close the current window.
2	Playback window	Playback a recording.
3	Mode	There are two playback modes: by time/by event.

SN	Item	Function
4	Playback tool bar	It is to control the playback process, the audio, etc. ●  ：Window synching operation button. When this function is enabled, the playback bar operates for all the windows. When it is in this  status, it is for the currently selected window only. ●  ：It is to switch between playback and pause. ●  ：To stop the playback. ●  ：To move forward. ●  ：It is to control the playback speed. ●  ：It is to adjust the volume. ●  : It is to motion detect the zone.
5	Window display mode setup	It is to set window's splitting mode. The value ranges from 1 to 36 windows. ●  : Select a window and then click this button to customize the setup. ●  : Full screen.
6	Time bar control	It is to zoom in /zoom out of the time line.
7	Time bar	The playback processing time.
8	Time clip	It is to edit the time line in order to download the specific recordings.
9	Export process	It is to export the recordings of a specific period.

4.2.1 Playback Device Recording

Please follow the steps listed below to search for the recording you want and then play it back.

1) In Figure 4-7, click the Device button on the top right side of the interface.
2) Check a channel (or multiple channels) in the device list.
3) Select the recording Type, the Stream type and recording start and end times,
4) Click Search. See Figure 4-8.

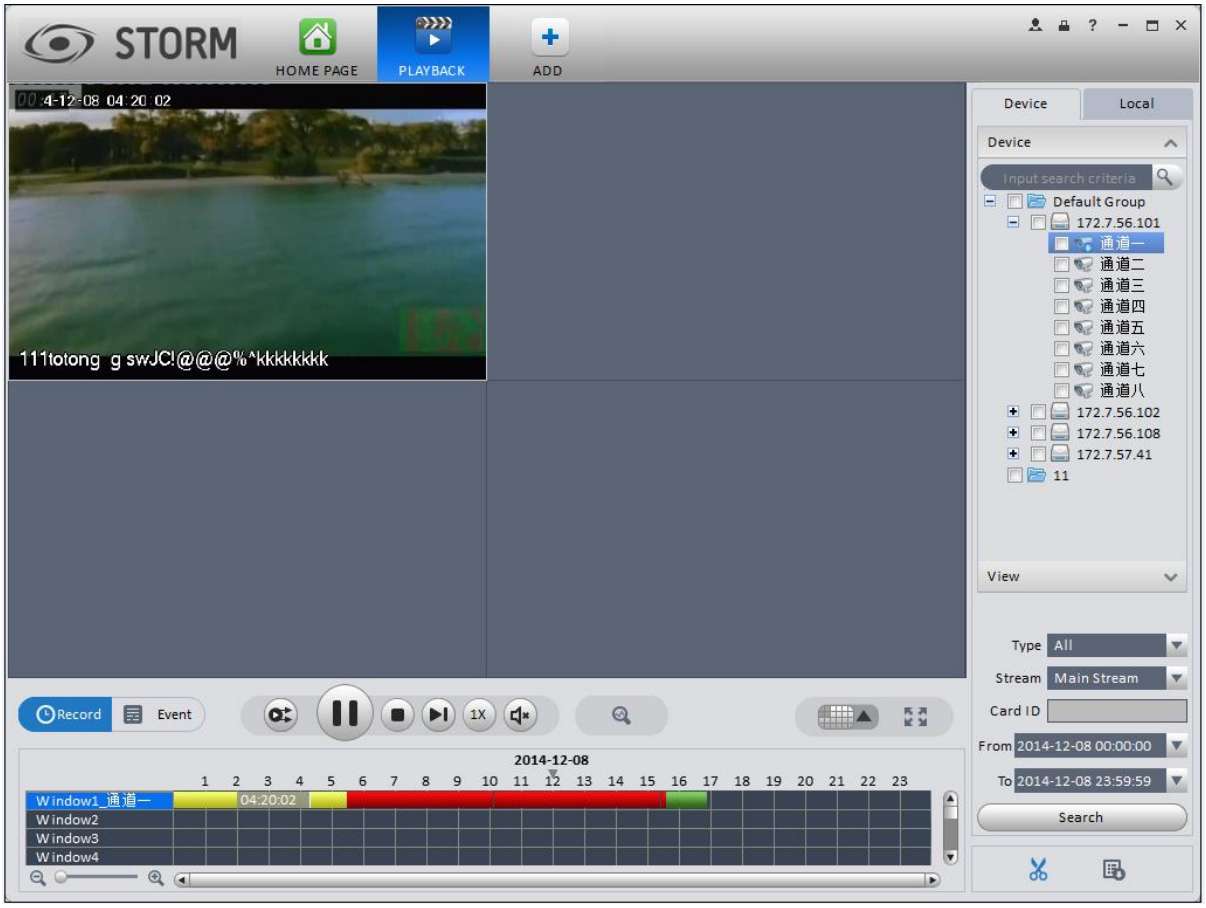

Figure 4-8

- The Green color represents General recording.
- The Yellow color represents Motion Detection recording.
- The Red color represents Alarm recording.
- The Blue color represents the Card no. recording.

5) Click  to playback the recording.

6) Click  to intelligently search for motion detection. The system will display the motion detection window.

7) Left click the mouse to select the motion detection area.

8) Click  to search for motion detection. The purple time bar represents a found motion detection, like in Figure 4-9.

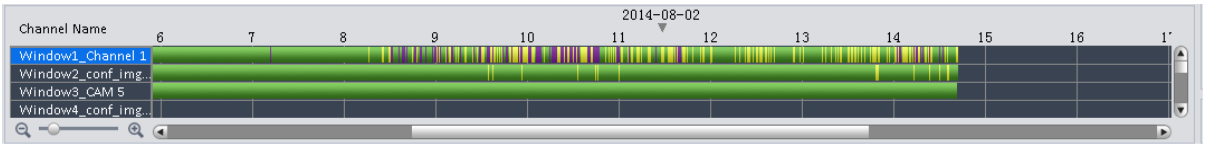

Figure 4-9

9) Click  to playback the motion detection in the video window.

: Reselect the motion detection area.

: Exit the intelligent search.

4.2.2 Playback Local Recording

Please follow the steps listed below to search for the recording you want and then to play it back.

1) In Figure 4-7, click the Local button on the right side of the panel.
2) Check a channel (or multiple channels) on the device list on the right side.
3) Select the recording start time and end time.
4) Click Search to start searching. You will see a corresponding dialogue box if there is no recording.
5) Now click to playback in the window.

4.2.3 Export

There are three ways for you to export recordings.

- In the Device Record interface, select the periods on the time line and then click to export the recordings.
- In the Record Event interface, select the recording type and then click to export the recordings.
- In the Local Record interface, check the recordings first and then click to export the recordings.

The Export interface is as shown in Figure 4-10. Select the corresponding exporting Path and then click the OK button to export.

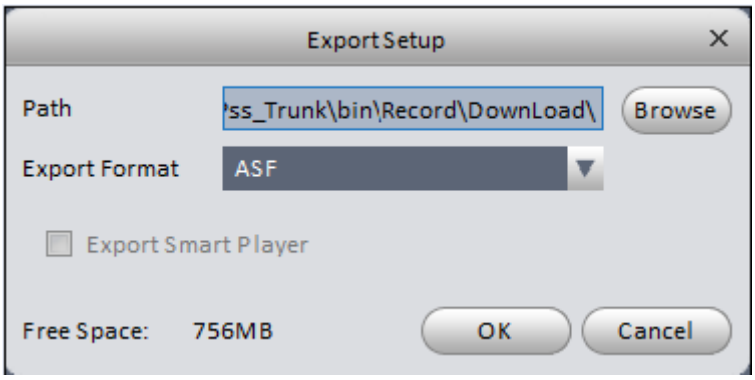

Figure 4-10

You can click to view the exporting conditions.

4.3 Alarm Manager

If you have set an Alarm Scheme, you can see the corresponding alarm in the Alarm Manager interface. Please refer to Chapter 3.7.1 to set an Alarm Scheme first.

Click this icon  in the top panel to go to the Alarm Manager interface as in Figure 4-11.

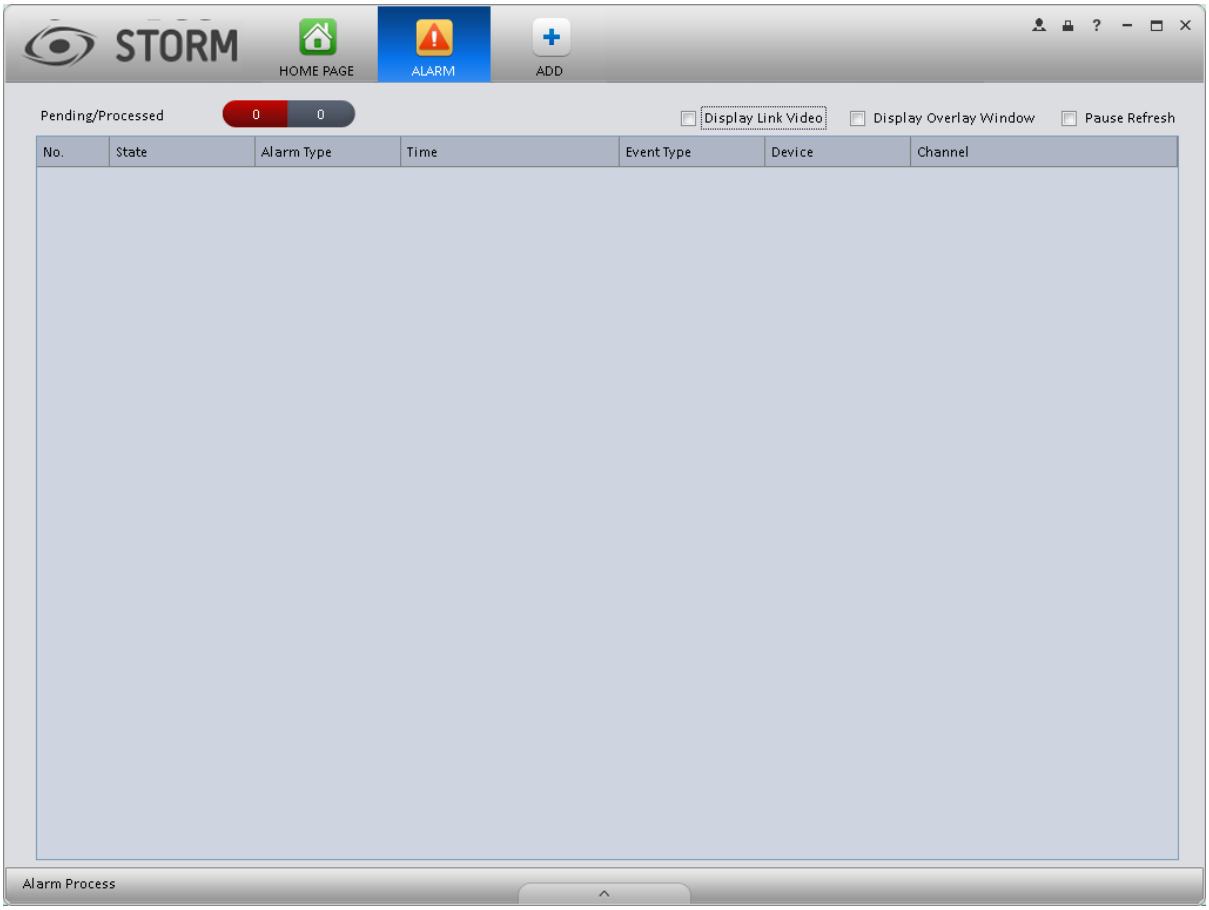

Figure 4-11

If you have set an alarm activation video function in your alarm scheme setup (chapter 3.7), you can see that the system will instantly display a video window. See Figure 4-12.

If you check the box at the bottom of the interface to Pause Refresh, the new alarm information will not be automatically shown in the alarm list. Click the Alarm Manager at the bottom right of the interface and the system will go to the Alarm Manager interface for you to view the current alarm recording.

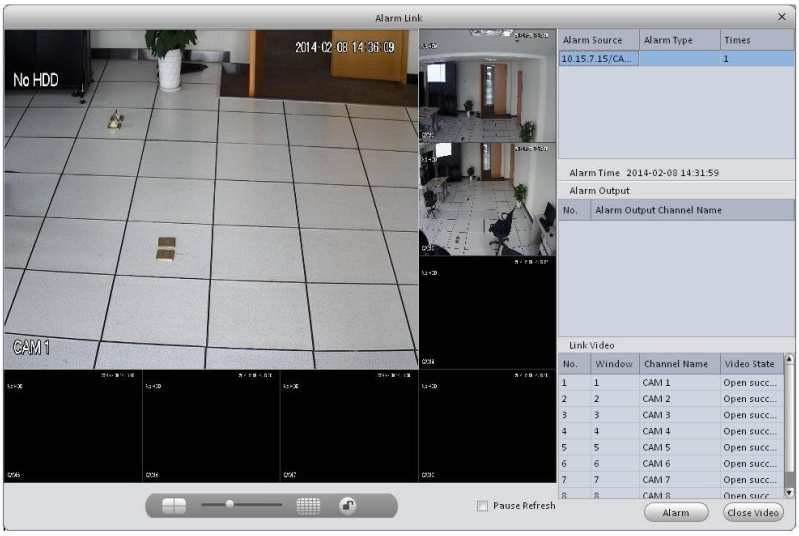

Figure 4-12

4.4 Log

The Log interface is as shown in Figure 4-13.

Select the start and end times and the type from the dropdown list. Click the Search button and the logging information will be displayed.

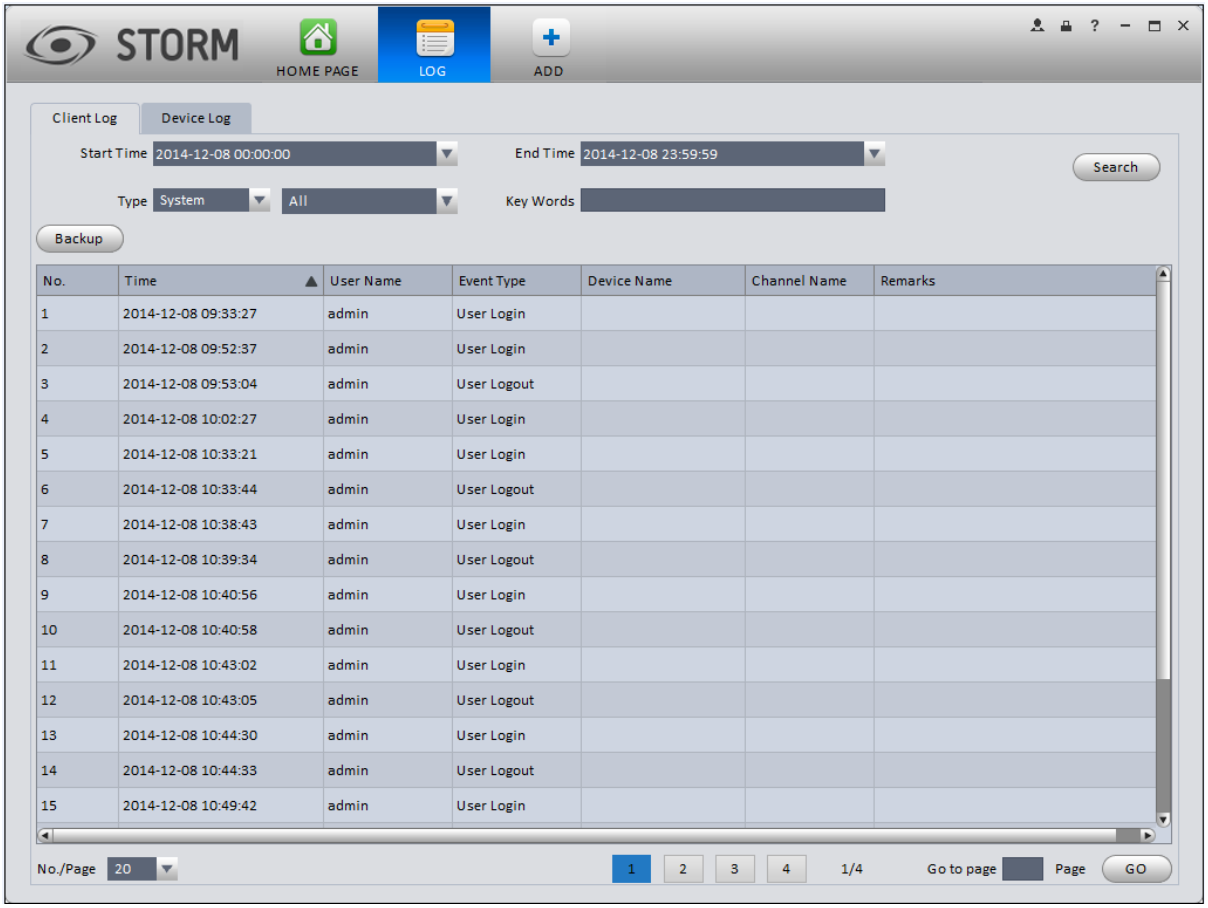

Figure 4-13

5 Extension

5.1 Video Wall

Once you have configured the video wall (Chapter 3.8), you can output video to the video wall. Follow the steps listed below for the configuration.

1) Click this icon  on the main interface and you will go to the following interface in Figure 5-1.

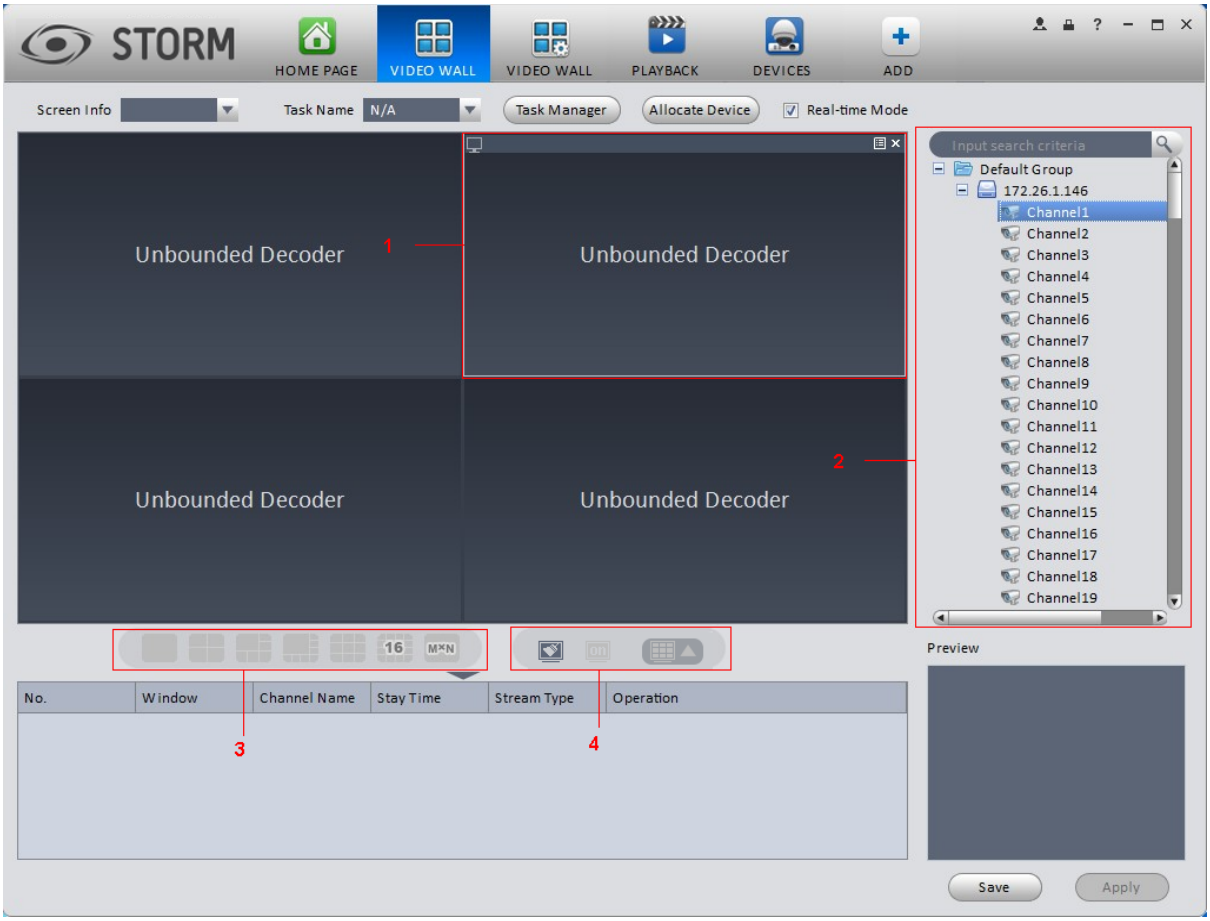

Figure 5-1

SN	Item	Function
1	Video window	Connect to NVD：Video window is fixed and cannot be moved. Connect to M30 ： Video window can be moved; the maximum value here is 16.
2	Video channel	Drag and drop camera selection.

SN	Item	Function
3	Video open window	Connect to NVD: Select one video window, then click  to open 1*1, 2*2, 3*3 or 4*4 window layouts. Connect to M30：Click  to open 1*1, 2*2, 3*3, 4*4 or M*N window layouts.
4	Clear screen, open/close window	 ：Clear all video channels or layouts on the screen.  ：Screen configuraiton on/off，to open/close the TV wall display.  ：Clear the screen and open the window.

2) Select the corresponding video wall from the screen information dropdown list. You can check to select real-time mode if necessary. Once you have enabled the real-time mode, the system will automatically output the video to the video wall after you have completed the setup. Otherwise, it will not output the video to the video wall.
3) Drag the channel on the right side of the panel to the corresponding screen and then bind.
   You can view details on how to bind video on Internet Explorer.
   1. Enter the M30 or NVD device's IP address in the IE.
   2. Download the web service pack.
   3. Once the download is complete, the system will display a login interface.
   4. Enter the Username and Password, the click Login to view the details of the bound video source.
   The default Username and Password is admin/admin.
4) Click the button Save as Task, the system will display a dialogue box for you to input a Task name.
5) Please enter the Task Name and click the Save button.
6) Click Output Video.

Please note:

- You can select a video wall task from the task name dropdown list and then click the Output Video button to view the video.
- Click Task Manager to view the current task status. You can also select one task and click  or  to modify or delete that task.

5.2 E-Map

Click this icon  on the main interface to go to the E-Map interface. You can view the device status on the E-Map. On the View E-Map interface, you can zoom into the E-Map or open the video, but you can't edit it. On the Edit E-Map interface, you can edit the e-map, add a camera, etc.

Note:

If there is no map, you need to click Add a Map and enter the map name to add it.

5.2.1 Add an E-map

If this is the first time you use E-Map, the interface will be as shown in Figure 5-2.

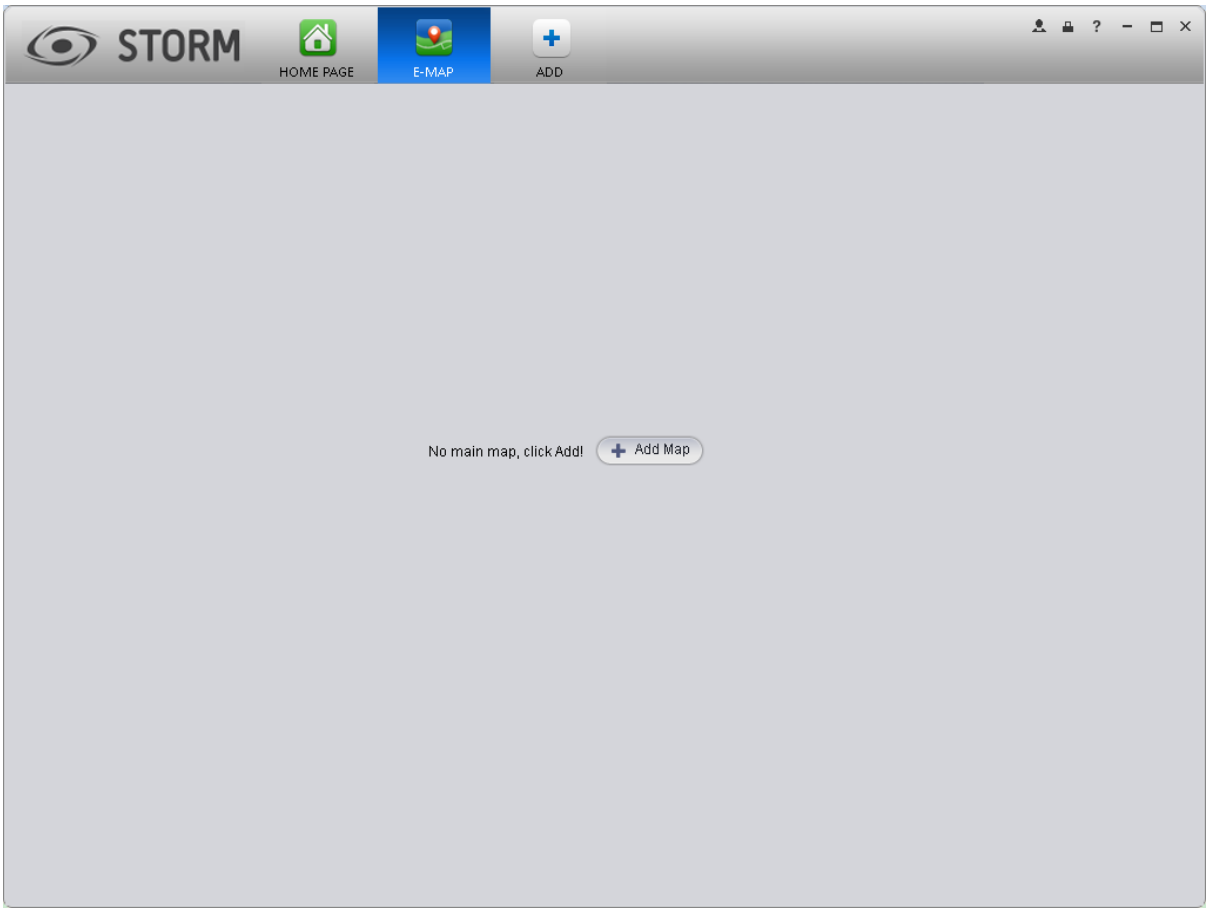

Figure 5-2

Click the Add Map button, the interface is as shown in Figure 5-3.

Please input the E-Map name and then select the E-Map picture. You can also insert extra information in the Describe box, if necessary.

Figure 5-3

Once the E-Map has been added, the interface will be as shown below in Figure 5-4.

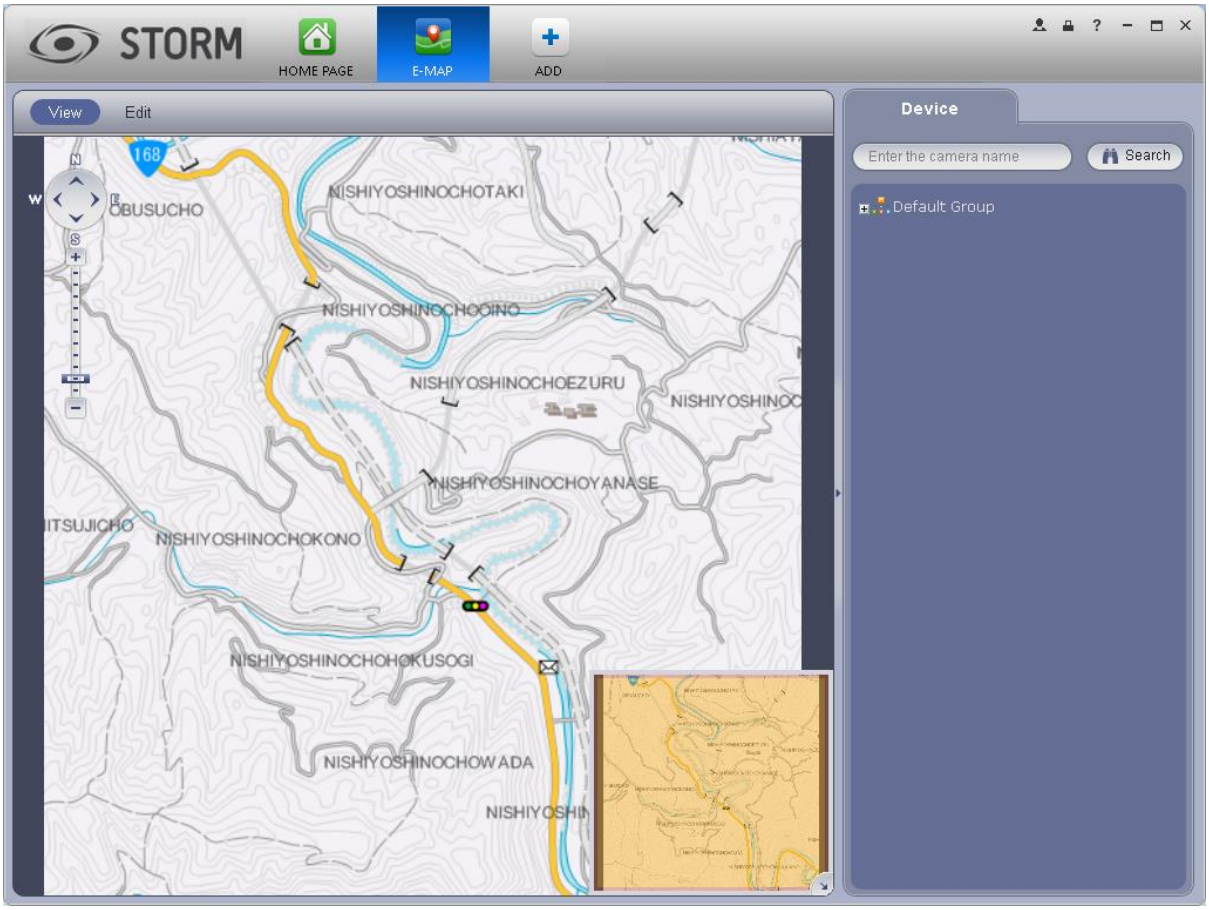

Figure 5-4

5.2.2 Edit an E-map

Click Edit to go to the interface in Figure 5-5. Click on Tool and you can edit or delete the E-Map, delete a device, add or modify or delete an area, etc.

Drag a channel on the right side of the panel to add it to the E-Map.

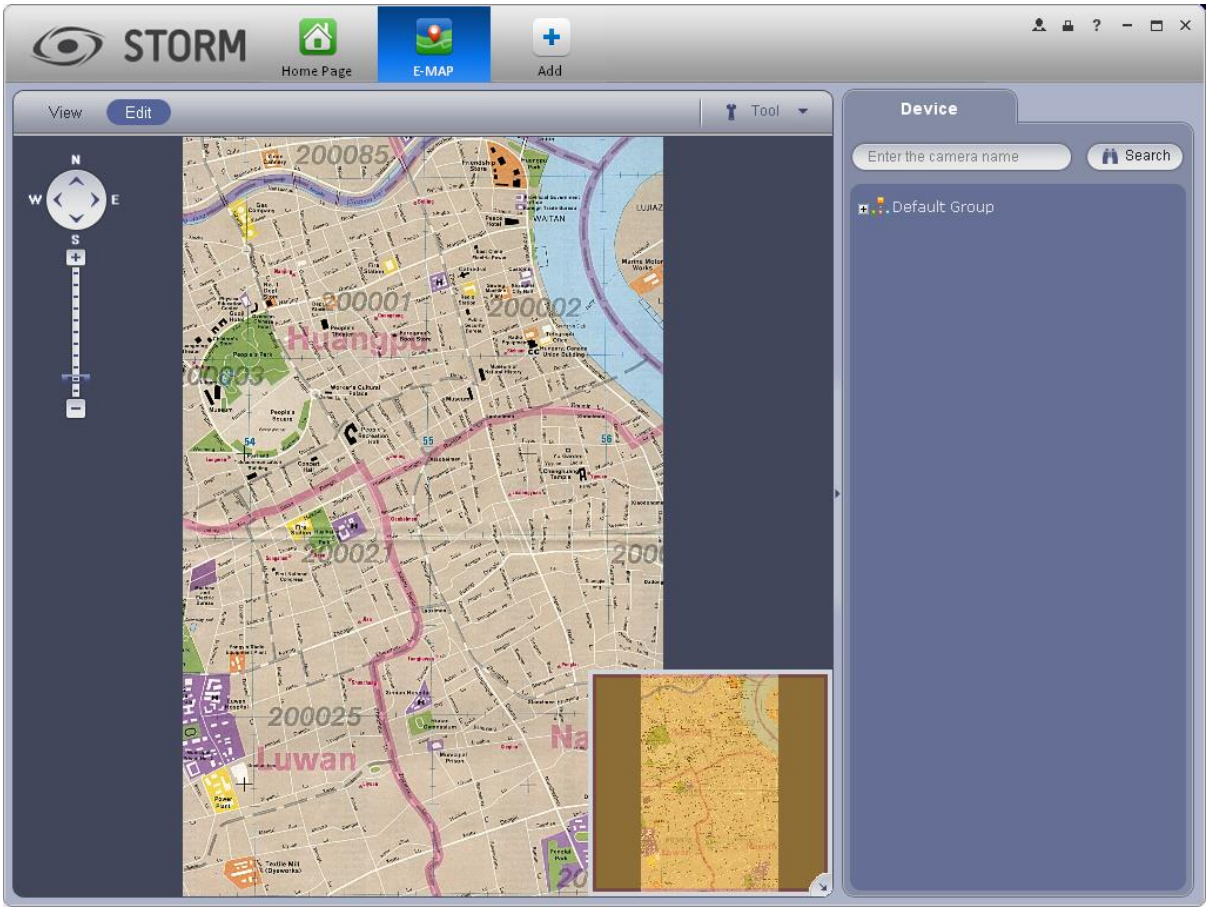

Figure 5-5

Click the Tool button and you will see a function bar as shown below in Figure 5-6.

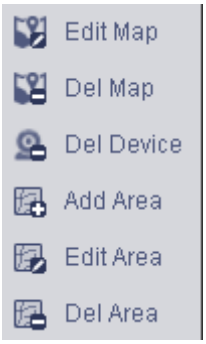

Figure 5-6

Please refer to the following table for added information.

Item	Function
Edit Map	It is for you to change the E-Map name, picture and description
Del Map	Delete the current E-Map.
Del Device	Delete a device from the E-Map.
Add Area	Add a hot zone on the E-Map.
Edit Area	Change the hot zone map name, picture and description.

Item	Function
Del Area	Delete the corresponding hot zone.

5.2.3 Liveview of the E-map

After you have edited the E-Map, you can click the View button to allow Liveview. The buttons at the top left side of the interface help you zoom in, zoom out or move the E-Map. Double click a camera on the E-Map to view the video. See Figure 5-7.

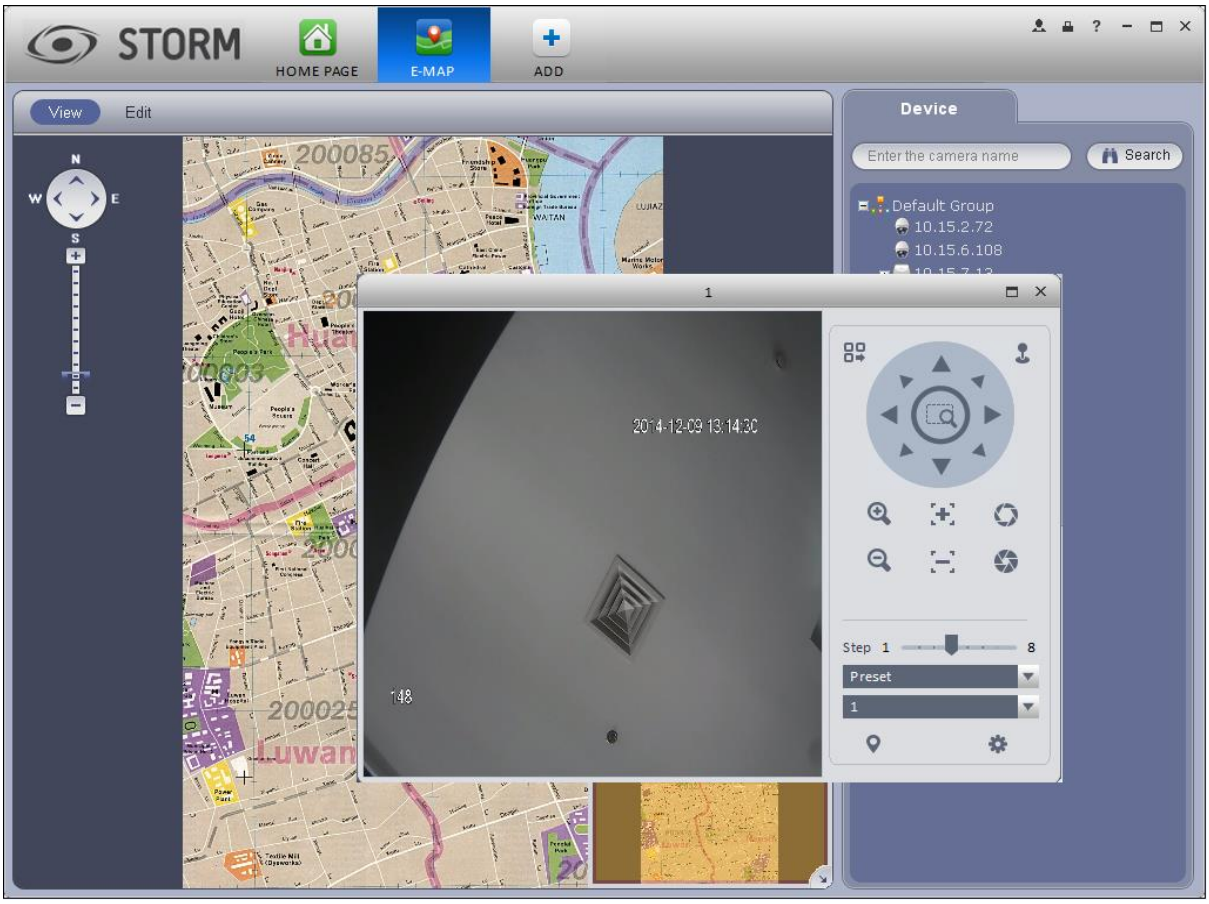

Figure 5-7

5.3 Device Display & Control

This device type supports NVR6000 series products only. This is how you can configure the splitting mode and the display channel.

Click the icon  to go to the following interface. Drag a channel to the right side of the panel and bind it to the window.

Click the window display mode setup button at the bottom of the interface. You will see the 128 channels of the NVR6000. In Figure 5-8, the 1 splitting mode is represented. You can click on the channel range to select the corresponding channel.

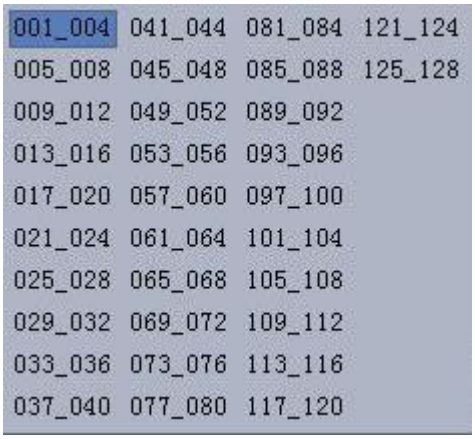

Figure 5-8

Move your mouse to a window, the click on  to switch between: main stream/extra stream/auto.

Click  to cancel the binding. You can also right click your mouse to cancel the binding or change the bit stream type.

Note:

- **This manual is for reference only. Slight differences may be found in the user interface.**
- **All the designs, as well as the software, may be subject to change without prior written notice.**
- **All trademarks and registered trademarks are the properties of their respective owners.**
- **If there you have any question or uncertainty, please contact us directly.**
- **Please visit our website or contact your local technician for more information.**